INTEGRATED
PERFORMANCE
CONSULTANTS

April 30th, 2020

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

Attention: Information Technology Unit

Malibu Civic Center WTP
2020 1st Quarter Monitoring Report

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

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter.

The first reclaimed water user, Bluff's Park, was connected this quarter. Irrigation demand at Bluffs Park has been lower than expected due to persistent wet weather. The Upper Zone reclaimed water distribution system has operated smoothly since Bluffs Park was put online.

Stay at home orders and business shutdowns due to the COVID-19 pandemic reduced flow and load substantially in the last half of March. Flow and waste strength both decreased to 50% of normal values, yielding 25% of normal organic mass load. This made the biological process more difficult to operate. Continuous MicroC addition is now required for BOD replacement and NOx control.

SUMMARY OF NON-COMPLIANCE

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

INFLUENT & EFFLUENT MONITORING

The results of influent and effluent monitoring are shown in Attachment A, B, & D.

WASTE HAULING

15,000 gallons of thickened waste activated sludge were hauled off site from the MBT this quarter for biological process control. Hauling data is 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 April, 2020, at Irvine, CA.

Sincerely,

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

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

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

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

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

	INFLUENT			EFFLUENT																																
	DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15						
Limit 3															240	med			45		45															
02/01/2020	Sat	56.5			49.9	0.0	0.0	49.9	0.0	0.16	0.31	0.31	66.0	151.9	7.6	1.79	1.79	1.79	0.049																		
02/02/2020	Sun	51.8			48.5	0.0	0.0	48.5	0.0	0.16	0.31	0.20	65.9	140.3	7.6	1.79	1.79	1.79	0.049																		
02/03/2020	Mon	70.2			49.5	0.0	0.0	49.5	0.0	0.16	0.24	0.20	66.2	146.1	7.4	1.79	1.79	1.79	0.049															4.9	1.6	960	199	279	0.37	0.08
02/04/2020	Tue	54.6	305	465	52.7	0.0	0.0	52.7	0.0	0.13	0.22	0.10	65.9	125.2	7.5	1.79	1.79	1.79	0.049																		
02/05/2020	Wed	55.4			64.5	0.0	0.0	64.5	0.0	0.12	0.14	0.00	66.0	122.6	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.7	3.1	3.1	0.02	0.11	0.95	0.84	4.04								
02/06/2020	Thu	58.8			49.5	0.0	0.0	49.5	0.0	0.14	0.20	0.05	65.8	122.4	7.3	1.79	1.79	1.79	0.049																		
02/07/2020	Fri	58.5			45.0	0.0	0.0	45.0	0.0	0.15	0.31	0.31	65.9	127.2	7.6	1.79	1.79	1.79	0.049																		
02/08/2020	Sat	61.5			45.4	0.0	0.0	45.4	0.0	0.13	0.16	0.00	66.1	132.1	7.6	1.79	1.79	1.79	0.049																		
02/09/2020	Sun	48.4			48.1	0.0	0.0	48.1	0.0	0.13	0.23	0.20	65.9	139.7	7.5	1.79	1.79	1.79	0.049																		
02/10/2020	Mon	74.8			55.1	0.0	0.0	55.1	0.0	0.11	0.15	0.00	66.3	163.2	7.6	1.79	1.79	1.79	0.049																		
02/11/2020	Tue	54.4	294	512	58.0	0.0	0.0	58.0	0.0	0.11	0.34	0.10	65.8	136.4	7.6	1.79	1.79	1.79	0.049																		
02/12/2020	Wed	53.6			65.1	0.0	0.0	65.1	0.0	0.15	0.24	0.10	66.0	131.9	7.6	1.79	1.79	1.79	0.049	1.9	99.6	2.0	99.3	1.9	1.9	0.02	0.09	0.88	0.79	2.75								
02/13/2020	Thu	53.9			62.9	0.0	0.0	62.9	0.0	0.18	0.27	0.31	66.2	149.4	7.5	1.79	1.79	1.79	0.049																		
02/14/2020	Fri	59.3			60.0	0.0	0.0	60.0	0.0	0.19	0.31	0.76	66.9	139.0	7.6	1.79	1.79	1.79	0.049																		
02/15/2020	Sat	61.9			58.0	0.0	0.0	58.0	0.0	0.18	0.22	4.53	66.2	114.9	7.6	1.79	1.79	1.79	0.049																		
02/16/2020	Sun	62.5			58.1	0.0	0.0	58.1	0.0	0.17	0.27	0.20	66.0	104.0	7.4	1.79	1.79	1.79	0.049																		
02/17/2020	Mon	79.7			50.4	0.0	0.0	50.4	0.0	0.18	0.41	0.41	65.9	106.7	7.4	1.79	1.79	1.79	0.049																		
02/18/2020	Tue	57.8	226	410	59.3	0.0	0.0	59.3	0.0	0.17	0.44	4.13	66.5	137.3	7.1	1.79	1.79	1.79	0.049																		
02/19/2020	Wed	58.9			60.6	0.0	0.0	60.6	0.0	0.17	0.30	0.20	66.4	123.1	7.7	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.6	2.2	2.2	0.02	0.18	0.64	0.46	2.85								
02/20/2020	Thu	55.7			61.4	0.0	0.0	61.4	0.0	0.18	0.49	1.63	66.2	130.5	7.5	1.79	1.79	1.79	0.049																		
02/21/2020	Fri	57.0			60.2	0.0	0.0	60.2	0.0	0.19	0.33	2.65	66.0	144.6	7.5	1.79	1.79	1.79	0.049																		
02/22/2020	Sat	56.1			50.4	0.0	0.0	50.4	0.0	0.17	0.29	0.31	66.3	152.1	7.5	1.79	1.79	1.79	0.049																		
02/23/2020	Sun	58.1			40.9	0.0	0.0	40.9	0.0	0.16	0.23	0.31	67.0	153.9	7.5	1.79	1.79	1.79	0.049																		
02/24/2020	Mon	73.2			45.9	0.0	0.0	45.9	0.0	0.16	0.21	0.20	67.3	150.7	7.2	1.79	1.79	1.79	0.049																		
02/25/2020	Tue	54.6			64.2	0.0	0.0	64.2	0.0	0.16	0.24	0.15	68.8	145.3	7.1	1.79	1.79	1.79	0.049																		
02/26/2020	Wed	54.4	278	312	19.5	0.0	0.0	19.5	0.0	0.17	0.37	0.66	67.9	122.7	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.7	2.2	2.2	0.02	0.09	0.67	0.58	2.87							
02/27/2020	Thu	54.6			19.6	0.0	0.0	19.6	0.0	0.16	0.42	0.41	67.9	149.7	7.8	1.79	1.79	1.79	0.049																		
02/28/2020	Fri	57.8			50.1	0.0	0.0	50.1	0.0	0.15	0.49	0.46	68.5	144.9	7.0	1.79	1.79	1.79	0.049																		
02/29/2020	Sat	60.4			39.6	0.0	0.0	39.6	0.0	0.15	0.42	0.31	66.3	145.6	7.2	1.79	1.79	1.79	0.049																		
TOTAL	1,714			1,492.4	0.0	0.0	1,492.4	0.0																													
MAX	79.7	305	512	65.1	0.0	0.0	65.1	0.0	0.19	0.49	4.53	68.8	163.2	7.8	1.79	1.79	1.79	0.049	1.9	99.6	2.0	99.7	3.1	3.1	0.02	0.18	0.95	0.84	4.04	4.9	1.6	960	199	279	0.37	0.08
AVG	59.1	276	425	51.5	0.0	0.0	51.5	0.0	0.16	0.30	0.66	66.5	136.3	7.5	1.79	1.79	1.79	0.049	1.9	99.5	1.2	99.6	2.3	2.3	0.02	0.12	0.79	0.67	3.13	4.9	1.6	960	199	279	0.37	0.08
MIN	48.4	226	312	19.5	0.0	0.0	19.5	0.0	0.11	0.14	0.00	65.8	104.0	7.0	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.3	1.9	1.9	0.02	0.09	0.64	0.46	2.75	4.9	1.6	960	199	279	0.37	0.08

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

ATTACHMENT B: QUARTERLY EFF

	>> DATE >>		1/14							
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals										
Aluminum	1	mg/L	0.017						0.017	0.017
Antimony	0.006	mg/L	0.0009						0.0009	0.0009
Arsenic	0.01	mg/L	0.0014						0.0014	0.0014
Asbestos	7	MFL	0						0	0
Barium	1	mg/L	0.016						0.016	0.016
Beryllium	0.004	mg/L	0.00019						0.00019	0.00019
Cadmium	0.005	mg/L	0.00019						0.00019	0.00019
Chromium	0.05	mg/L	0.008						0.008	0.008
Cyanide	0.15	mg/L	0.0000049						0.0000049	0.0000049
Mercury	0.002	mg/L	0.00019						0.00019	0.00019
Nickel	0.1	mg/L	0.004						0.004	0.004
Selenium	0.05	mg/L	0.0026						0.0026	0.0026
Thallium	0.002	mg/L	0.0009						0.0009	0.0009
Perchlorate	0.006	mg/L	0						0	0
Fluoride	2	mg/L	0.6						0.6	0.6
A2 - Radioactivity										
Radium-226 + Radium-228	5	pCi/L	0.762						0.762	0.762
Gross Alpha Particle Activity[1]	15	pCi/L	1.18						1.18	1.18
Tritium	20,000	pCi/L	434						434	434
Strontium-90	8	pCi/L	0.546						0.546	0.546
Gross Beta Particle Activity	50	pCi/L	1.03						1.03	1.03
Uranium	20	pCi/L	0.8						0.8	0.8
A3 - Volatile Organic Chemicals										
Benzene	0.001	mg/L	0.00049						0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L	0.00049						0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L	0.00049						0.00049	0.00049
1.4-Dichlorobenzene	0.005	mg/L	0.00049						0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L	0.00049						0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)	0.0005	mg/L	0.00049						0.00049	0.00049
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	0.00049						0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L	0.00049						0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049						0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049						0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049						0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L	0.00049						0.00049	0.00049
Ethylbenzene	0.3	mg/L	0.00049						0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L	0.01249						0.01249	0.01249
Monochlorobenzene	0.07	mg/L	0.00049						0.00049	0.00049
Styrene	0.1	mg/L	0.00049						0.00049	0.00049
1,1,2,2-Tetrachloroethane	0.001	mg/L	0.00049						0.00049	0.00049

	>> DATE >>		1/14							
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics										
Alachlor	0.002	mg/L	0.00019					0.00019	0.00019	0.00019
Atrazine	0.001	mg/L	0.00019					0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.00019					0.00019	0.00019	0.00019
Benzo(a)pyrene	0.0002	mg/L	0.000049					0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0019					0.0019	0.0019	0.0019
Chlordane	0.0001	mg/L	0.000089					0.000089	0.000089	0.000089
2,4-D	0.07	mg/L	0.00019					0.00019	0.00019	0.00019
Dalapon	0.2	mg/L	0.0019					0.0019	0.0019	0.0019
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009					0.000009	0.000009	0.000009
Di(2-ethylhexyl)adipate	0.4	mg/L	0.0019					0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L	0.0019					0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L	0.00019					0.00019	0.00019	0.00019
Diquat	0.02	mg/L	0.001884					0.001884	0.001884	0.001884
Endothall	0.1	mg/L	0.2216					0.2216	0.2216	0.2216
Endrin	0.002	mg/L	0.000009					0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.000019					0.000019	0.000019	0.000019
Glyphosate	0.7	mg/L	0.0498					0.0498	0.0498	0.0498
Heptachlor	0.00001	mg/L	0.000009					0.000009	0.000009	0.000009
Heptachlor Epoxide	0.00001	mg/L	0.000009					0.000009	0.000009	0.000009
Hexachlorobenzene	0.001	mg/L	0.000009					0.000009	0.000009	0.000009
Hexachlorocyclopentadiene	0.05	mg/L	0.000009					0.000009	0.000009	0.000009
lindane	0.0002	mg/L	0.000009					0.000009	0.000009	0.000009
Methoxychlor	0.03	mg/L	0.000049					0.000049	0.000049	0.000049
Molinate	0.02	mg/L	0.00019					0.00019	0.00019	0.00019
Oxamyl	0.05	mg/L	0.0019					0.0019	0.0019	0.0019
Pentachlorophenol	0.001	mg/L	0.0019					0.0019	0.0019	0.0019
Picloram	0.5	mg/L	0.0019					0.0019	0.0019	0.0019
Polychlorinated Biphenyls	0.0005	mg/L	0.000089					0.000089	0.000089	0.000089
Simazine	0.004	mg/L	0.0019					0.0019	0.0019	0.0019
Thiobencarb	0.07	mg/L	0.0019					0.0019	0.0019	0.0019
Toxaphene	0.003	mg/L	0.000089					0.000089	0.000089	0.000089
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	2.48					2.48	2.48	2.48
2,4,5-TP (Silvex)	0.05	mg/L	0.00019					0.00019	0.00019	0.00019
A4 - Disinfection Byproducts										
Total Trihalomethanes (TTHM)	0.08	ppb	33.8					33.8	33.8	33.8
Bromodichloromethane			4.9					4.9	4.9	4.9
Bromoform			0.49					0.49	0.49	0.49
Chloroform			28.5					28.5	28.5	28.5
Dibromochloromethane			0.49					0.49	0.49	0.49
Haloacetic acid (five) (HAA5)	0.06	ppb	94.4					94.4	94.4	94.4
Monochloroacetic acid		ppb	70.3					70.3	70.3	70.3

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

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

Dichloroacetic acid		ppb	18.6					18.6	18.6	18.6
Trichloroacetic acid		ppb	4.4					4.4	4.4	4.4
Monobromoacetic acid		ppb	0.9					0.9	0.9	0.9
Dibromoacetic acid		ppb	0.9					0.9	0.9	0.9
Bromate 121	0.01	ppb	4.9					4.9	4.9	4.9
Chlorite131	1	ppb	19.9					19.9	19.9	19.9

A5 - Secondary MCLs										
Aluminum	0.2	mg/L	0.017					0.017	0.017	0.017
Color	150	CU	31					31	31	31
Copper	1	mg/L	0.0014					0.0014	0.0014	0.0014
Corrosivity (Langelier Index)	Non		-0.11					-0.11	-0.11	-0.11
Foam Agents (MBAS)	0.5	mg/L	0.08					0.08	0.08	0.08
Iron	0.3	mg/L	0.019					0.019	0.019	0.019
Manganese	0.05	mg/L	0.0033					0.0033	0.0033	0.0033
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.01249					0.01249	0.01249	0.01249
Odor - Threshold	3	T.O.N.	0.9					0.9	0.9	0.9
Silver	0.1	mg/L	0.00019					0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L	0.00019					0.00019	0.00019	0.00019
Zinc	5	mg/L	0.013					0.013	0.013	0.013

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

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

SECOND QUARTER								
	QUARTER TOTAL		0					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER								
	QUARTER TOTAL		0					

FOURTH QUARTER								
	QUARTER TOTAL		0					

ATTACHMENT D: ANNUAL EFF

Date: 2/7/2020		Units				Units				Units
Antimony	0.9	ug/l		Trichloroethylene	4.9	ug/l		Fluoranthene	1.9	ug/l
Arsenic	1.4	ug/l		Vinyl Chloride	4.9	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)	5.6	ug/l		2,4-Dimethylphnol	1.9	ug/l		Hexachlorocyclopentadien	1.9	ug/l
Chromium (VI)	5.6	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	1.1	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	3.1	ug/l		4-Chloro-3-Methylphenol	4.9	ug/l		N-nitrosodimethylamine	4.9	ug/l
Selenium	2.5	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	13	ug/l		Acenaphthene	1.9	ug/l		1,2,4-Trichlorobenzene	1.9	ug/l
Cyanide	0.0049	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	1.9	mg/l		Anthracene	1.9	ug/l		beta-BHC	0.0049	ug/l
Acrolein	24.9	ug/l		Benzidine	9.9	ug/l		gamma-BHC	0.009	ug/l
Acrylonitrile	24.9	ug/l		Benzo (a) pyrene	1.9	ug/l		delta-BHC	0.0049	ug/l
Benzene	4.9	ug/l		Benzo (b) fluoranthene	1.9	ug/l		Chlordane	0.49	ug/l
Bromoform	4.9	ug/l		Benzo (ghi) perylene	1.9	ug/l		4,4'-DDT	0.009	ug/l
Carbon tetrachloride	4.9	ug/l		Benzo (k) fluoranthene	1.9	ug/l		4,4'-DDE	0.009	ug/l
Chlorobenzene	4.9	ug/l		Bis (2-chloroethoxy) Methane	1.9	ug/l		4,4'-DDD	0.009	ug/l
Chlorodibromomethane	4.9	ug/l		Bis (2-chloroethyl) Ether	1.9	ug/l		Dieldrin	0.009	ug/l
Chloroethane	4.9	ug/l		Bis (2-chloroisopropyl) Ether	1.9	ug/l		alpha-Endosulfan	0.009	ug/l
2-Chloroethylvinyl Ether	5	ug/l		Bis (2-ethylhexyl) Phthalate	1.9	ug/l		beta-Endosulfan	0.009	ug/l
Chloroform	51.8	ug/l		4-Bromophenyl Phenyl Ether	1.9	ug/l		Endosulfan Sulfate	0.009	ug/l
Dichlorobromomethane	4.9	ug/l		Butylbenzyl Phthalate	1.9	ug/l		Endrin	0.009	ug/l
								Endrin Aldehyde	0.009	ug/l
1,1 Dichloroethane	4.9	ug/l		2-Chloronaphthalene	1.9	ug/l		Heptachlor	0.009	ug/l
1,2 Dichloroethane	4.9	ug/l		4-Chlorophenyl Phenyl Ether	1.9	ug/l		Heptachlor Epoxide	0.009	ug/l
1,1 Dichloroethylene	4.9	ug/l		Chrysene	1.9	ug/l		PCB (Aroclor-1016)	0.49	ug/l
1,2 Dichloropropane	4.9	ug/l		Dibenzo (ah) anthracene	1.9	ug/l		PCB (Aroclor-1221)	0.49	ug/l
1,3-dichloropropylene	4.9	ug/l		1,2-Dichlorobenzene	4.9	ug/l		PCB (Aroclor-1232)	0.49	ug/l
Ethylbenzene	4.9	ug/l		1,3-Dichlorobenzene	4.9	ug/l		PCB (Aroclor-1242)	0.49	ug/l
Methyl Bromide	9.9	ug/l		1,4-Dichlorobenzene	4.9	ug/l		PCB (Aroclor-1248)	0.49	ug/l
Methyl Chloride	9.9	ug/l		3,3'-Dichlorobenzidine	1.9	ug/l		PCB (Aroclor-1254)	0.49	ug/l
Methylene Chloride	4.9	ug/l		Diethyl Phthalate	1.9	ug/l		PCB (Aroclor-1260)	0.49	ug/l
1,1,2,2-Tetrachloroethane	4.9	ug/l		Dimethyl Phthalate	1.9	ug/l		Toxaphene	0.49	ug/l
Tetrachloroethylene	4.9	ug/l		Di-n-butyl Phthalate	1.9	ug/l				
Toluene	4.9	ug/l		2,4-Dinitrotoluene	4.9	ug/l				
1,2-Trans-Dichloroethylene	4.9	ug/l		2,6-Dinitrotoluene	4.9	ug/l				
1,1,1-Trichloroethane	4.9	ug/l		Di-n-octyl Phthalate	1.9	ug/l				
1,1,2-Trichloroethane	4.9	ug/l		1,2-Diphenylhydrazine	1.9	ug/l				

Malibu Civic Center Wastewater Treatment Facility

First Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

April 30, 2020

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April 30, 2020
Project No: 15-01587

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90401

Subject: **First Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

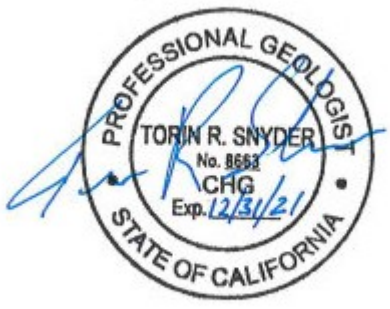
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the First Quarter 2020 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, 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 due to land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the First Quarter 2020 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

"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 27 day of April, 2020 at Malibu City Hall

Yolanda Bundy
Signature

Environmental Sustainability Director / Building Official
Title

Table of Contents

Tables

Figures

Table of Contents (continued)

Appendices

1 Introduction

This report presents the results of groundwater and surface water monitoring activities conducted during the first quarter of 2020 for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in the 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 because 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 Title 22 Recycled Water in the Prohibition area
- 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 (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) 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 (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. 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. The nine (9) groundwater monitoring wells and ten (10) surface water sampling locations identified in Task II are currently sampled on a quarterly basis after the CCWTF began discharging treated wastewater in the third quarter of 2018. 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 branches from the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen (16) groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City 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 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 (14) groundwater wells located in the City'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 (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 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.

4 Completed Activities During First Quarter 2020

The following activities were completed during the first quarter of 2020:

- Rincon measured depth to water in groundwater monitoring wells on January 23, February 11, and March 2, 2020 (Task V)
- Rincon collected and analyzed groundwater samples for WDR/MRP, SNMP, and MOU compliance on March 2, 2020 through March 5, 2020 (Tasks II, III, IV)
- Rincon collected and analyzed surface water samples for WDR/MRP compliance on March 4, 2020 (Task II)

5 Groundwater Elevations and Gradients

During each month of the quarter, Rincon mobilized to 45 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). Of the 45 groundwater monitoring wells, one well was reported to be buried (GH9-M4), one well was unable to be located (MBCMW-6), one well was inaccessible during the January and March monitoring events (MBCMW-7), one well was reported dry (SMBRP-15B), and one well had a car parked over it during the January monitoring event (SMBRP-11). Therefore, groundwater elevations could not be calculated in these groundwater monitoring wells.

Groundwater Monitoring Locations

Shallow Zone (35 wells)				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	GH9-M4[1]	M6-1
M6-2	M7-1	M7-2	MBCMW-5	MBCMW-6[2]
MBCMW-7[3]	MBCMW-8	MBCMW-9	MBCMW-10	MCWP-MW04S
MCWP-MW07S	MCWP-MW08	MCWP-MW10	P-4	P-9
SMBRP-2	SMBRP-6	SMBRP-7B	SMBRP-8 (EC1-RC-MW01)	SMBRP-9
SMBRP-10C	SMBRP-12	SMBRP-13	SMBRP-15B[4]	SMBRP-16
Deep Zone (8 wells)				
MCWP-MW01	MCWP-MW02	MCWP-MW03	MCWP-MW04D	MCWP-MW05
MCWP-MW06	MCWP-MW07D	MCWP-MW09		
Winter Canyon Zone (2 wells)				
LAMW-5S	SMBRP-11[5]			

Note:
1. GH9-M4 was reported to be buried during this monitoring period
2. Following grading activities in 2019, MBCMW-6 is understood to have been removed
3. MBCMW-7 was inaccessible in January and March
4. SMBRP-15B has been dry as of the first monitoring event in August 2015
5. SMBRP-11 was inaccessible in January

5.1 Shallow Zone

Groundwater measurements from each shallow monitoring well are included in Table 1 and shown on Figures 3, 4, and 5. The following table summarizes the shallow groundwater elevation ranges observed during the first quarter of 2020, changes in elevation compared to the fourth quarter of 2019, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Shallow Zone

1st Quarter 2020		4th Quarter 2019		Avg. Difference	Historical	
Minimum	**Maximum**	**Minimum**	**Maximum**	**(4Q19-1Q20)**	**Minimum**	**Maximum**
1.74 (CCPE)	23.09 (SMBRP-8)	3.02 (MCWP-MW10)	22.26 (SMBRP-8)	Decrease 0.02	1.31 (CCPE, 12/2016)	25.38 (SMBRP-8, 05/2017)

Changes from January **to** March 2020					
Decrease			**Increase**		
# Observed	**Maximum**	**Average**	**# Observed**	**Maximum**	**Average**
19	2.11 (SMBRP-12)	-0.40	4	2.86 (CCPE)	0.92

Note:
Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the monthly groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 and summarized in the table below (Figures 3, 4, and 5):

Summary of Groundwater Gradients

Month	Gradient (feet per foot)	Flow Direction
January	0.0042	South-southeast
February	0.0043	South-southeast
March	0.0044	South-southeast

5.2 Deep Zone

Groundwater measurements from each deep monitoring well are included in Table 1. The following table summarizes the deep groundwater elevation ranges observed in the first quarter of 2020, changes in elevation compared to the fourth quarter of 2019, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

1st Quarter 2020		4th Quarter 2019		Avg. Difference	Historical	
Minimum	**Maximum**	**Minimum**	**Maximum**	**(4Q19-1Q20)**	**Minimum**	**Maximum**
4.67 (MCWP-MW07D)	10.80 (MCWP-MW09)	5.56 (MCWP-MW07D)	10.55 (MCWP-MW09)	Decrease 0.38	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)

Summary of Groundwater Elevations – Deep Zone

Changes from January **to** March 2020					
Decrease			**Increase**		
# Observed	**Maximum**	**Average**	**# Observed**	**Maximum**	**Average**
6	0.46 (MCWP-MW05)	-0.14	2	0.55 (MCWP-MW02)	0.42

Note:
Elevations measured in feet above mean sea level

5.3 Winter Canyon

Groundwater measurements from each Winter Canyon monitoring well are included in Table 1. The following table summarizes the Winter Canyon groundwater elevation ranges observed in the first quarter of 2020, changes in elevation compared to the fourth quarter of 2019, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Winter Canyon

1st Quarter 2020		**4th Quarter 2019**		**Avg. Difference**	**Historical**	
Minimum	**Maximum**	**Minimum**	**Maximum**	**(4Q19-1Q20)**	**Minimum**	**Maximum**
9.71 (SMBRP-11)	51.47 (LAMW-5S)	9.65 (SMBRP-11)	53.45 (LAMW-5S)	Decrease 0.49	9.31 (SMBRP-11, 05/2018)	58.65 (LAMW-5S, 03/2019)

Changes from January **to** March 2020[1]					
Decrease			**Increase**		
# Observed	**Maximum**	**Average**	**# Observed**	**Maximum**	**Average**
2	0.32 (LAMW-5S)	-0.29	0	-	-

Notes:
1. SMBRP-11 was inaccessible during the January monitoring event; the difference between the February and March groundwater elevations was used
Elevations measured in feet above mean sea level

6 Water Quality Sampling Analysis

This section presents laboratory analytical results for samples collected during the first quarter 2020 monitoring event. Included below are the constituents required by the WDR for surface water monitoring, and which are analyzed for 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 ($NH3^{+}$) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone. A schematic of this process is provided as Figure 6.

Surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The laboratory analytical results for the first quarter 2020 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 March 4, 2020. 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

Malibu Lagoon and Creek	Near Shore Ocean
L-001	N-001
L-002	N-002
L-003	N-003
L-004	N-004
L-005	-
L-006	-

6.1.1 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. 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.

6.1.2 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]

Summary of Detected Concentrations in Surface Water – Near Shore

Constituent	No. of Detections	Min Detected	Max Detected	Average	Units
Total Coliform	4	150 (N-004)	>2,400 (N-004)	745	MPN/100 mL
Fecal Coliform	1	-	8.5 (N-003)	-	MPN/100 mL
Nitrate as Nitrogen	0	-	-	-	mg/L
Nitrite as Nitrogen	0	-	-	-	mg/L

[1] Note that throughout this report, averages 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	No. of Detections	Min Detected	Max Detected	Average	Units
Organic Nitrogen	1	-	0.16 (N-003)	-	mg/L
Ammonia Nitrogen	1	-	0.09 (N-003)	-	mg/L
Total Kjeldahl Nitrogen	1	-	0.48 (N-003)	-	mg/L
Total Phosphorous	4	0.100 (N-003)	0.25 (N-002)	0.163	mg/L

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	No. of Detections	Min Detected	Max Detected	Average	Units
Total Coliform	6	390 (L-004)	>2,400 (L-003, L-004, L-005, L-006)	1,898	MPN/100 mL
Fecal Coliform	5	5.0 (L-003)	200 (L-005)	84.1	MPN/100 mL
Nitrate as Nitrogen	5	0.38 (L-003)	1.3 (L-002)	0.667	mg/L
Nitrite as Nitrogen	0	-	-	-	mg/L
Organic Nitrogen	6	0.20 (L-005)	9.3 (L-003)	2.0	mg/L
Ammonia Nitrogen	3	0.057 (L-005)	0.52 (L-006)	0.15	mg/L
Total Kjeldahl Nitrogen	6	0.26 (L-005)	9.4 (L-003)	2.1	mg/L
Total Phosphorous	6	0.35 (L-001)	0.55 (L-002)	0.46	mg/L

6.2 Groundwater

A total of sixteen (16) groundwater monitoring wells were sampled during the fourth quarter 2019 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

Groundwater Sampling Locations

Well ID	Zone	Task	Sampling Frequency
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

6.2.1 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% 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 500-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.

6.2.2 Laboratory Analyses

The following table summarizes constituent detections in groundwater samples collected in first quarter 2020. For comparison, this table presents results for constituents analyzed for 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.

Summary of Detected Concentrations in Groundwater

Constituent	No. Analyzed	No. Detected	Min Detected	Max Detected	Average	Unit
Total Coliform	14	11	23 (SMBRP-12)	>2,400 (MCWP-MW07S, MCWP-MW09, CCPE)	837	MPN/ 100 mL
Fecal Coliform	14	6	1.0 (MCWP-MW09, CCPE)	360 (SMBRP-7B)	32	MPN/ 100 mL
Nitrate as Nitrogen	16	11	0.86 (MCWP-MW01)	4.3 (LAMW-5S)	1.4	mg/L
Nitrite as Nitrogen	14	2	0.10 (MCWP-MW09)	0.35 (MCWP-MW07D)	0.14	mg/L
Organic Nitrogen	13	13	0.16 (MCWP-MW07S)	1.4 (MBCMW-9)	0.51	mg/L
Ammonia Nitrogen	14	12	0.025 (MCWP-MW10)	5.7 (SMBRP-12)	0.60	mg/L
Total Kjeldahl Nitrogen	13	13	0.27 (CCPE)	6.2 (SMBRP-12)	1.0	mg/L

Summary of Detected Concentrations in Groundwater

Constituent	No. Analyzed	No. Detected	Min Detected	Max Detected	Average	Unit
Total Phosphorous	14	14	0.016 (SMBRP-11)	1.5 (SMBRP-12)	0.32	mg/L
Total Dissolved Solids	16	16	510 (LAMW-5S)	5,300 (MCWP-MW04S)	2,007	mg/L

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative.

7 Scheduled Activities for the Second Quarter of 2020

The following activities will be completed during the second quarter of 2020:

- Prepare and submit the First Quarter 2020 Long-Term Groundwater and Surface Water Monitoring to the LARWQCB
- Collect and analyze groundwater and surface water samples for WDR/MRP compliance (Task II)
- Measure depth to water in the groundwater monitoring wells in April, May, and June 2020 (Task V)

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the first quarter of 2020, groundwater elevations decreased in 82 percent of shallow, deep, and Winter Canyon wells, with an average change of -0.49 feet. The only groundwater elevation increases were observed in four shallow wells (CCPE, CCW-4, SMBRP-8, SMBRP-9) and two deep wells (MCWP-MW02 and MCWP-MW07D).

8.2 Surface Water Quality

Total coliform samples were at or above 2,400 MPN/100 mL in five of the ten samples collected in the Near Shore and Malibu Lagoon and Creek. Surface water samples showed an overall decrease of total coliform compared to the fourth quarter of 2019, with an average decrease of 603 MPN/100 mL.

Fecal coliform concentrations averaged 51.45 MPN/100 mL across all Near Shore surface water samples, which represents an average decrease of 138 MPN/100 mL from the fourth quarter of 2019. Only one detection of fecal coliform was detected in the Near Shore samples (8.5 MPN/100 mL in N-003). In Malibu Lagoon and Creek locations, five of six samples had detected concentrations

of fecal coliform, averaging 84.1 MPN/100 mL, which represents an average decrease of 226 MPN/100 mL from the fourth quarter of 2019.

Nitrate as nitrogen was not detected above the RDL in any of the Near Shore samples, which is consistent with the fourth quarter of 2019 results. In the Malibu Lagoon and Creek, however, nitrate as nitrogen was detected in five of six samples; only one sample was detected above the RDL in the fourth quarter of 2019. Nitrite as nitrogen was not detected in any surface water samples. Organic nitrogen averaged 0.040 mg/L in Near Shore samples and 1.97 mg/L in Malibu Lagoon and Creek samples. When compared to the fourth quarter of 2019, this represents an average decrease of 0.015 mg/L in the Near Shore samples and an average increase of 1.1 mg/L in the Malibu Lagoon and Creek samples.

Phosphorous concentrations increased with an average concentration of 0.34 mg/L compared to the average concentration of 0.10 mg/L observed in the fourth quarter of 2019.

8.3 Groundwater Quality

When comparing analytical results from the fourth quarter of 2019 to the first quarter of 2020, note that only nine groundwater monitoring wells were sampled during the fourth quarter of 2019 (Task II), and sixteen wells were sampled for the first quarter of 2020 (Task II, III, IV). Of the nine wells sampled during these two periods, total coliform decreased in three monitoring wells, increased in five monitoring wells, and remained below the RDL in one well, with an average increase of 332 MPN/100 mL compared to the fourth quarter of 2019. Fecal coliform increased in three wells, decreased in two wells, and remained below the RDL in four wells when compared to the fourth quarter of 2019.

Nitrate as nitrogen was detected in six of nine groundwater monitoring wells. When compared to the fourth quarter of 2019, nitrate concentrations increased in two wells, decreased in six wells, and remained below the RDL in one well.

When compared to the fourth quarter of 2019, average TDS concentrations in groundwater samples increase from an average of 1,537 mg/L to 2,007 mg/L in the first quarter 2020.

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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RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Figures

Appendix A

Groundwater and Surface Water Field Sheets

Appendix B

Laboratory Analytical Reports

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	1/23/2020	11.47	6.77	4.70
C-1	2/11/2020	11.47	5.80	5.67
C-1	3/2/2020	11.47	6.90	4.57
C-2	1/23/2020	11.19	6.56	4.63
C-2	2/11/2020	11.19	5.19	6.00
C-2	3/2/2020	11.19	6.80	4.39
CCPE	1/23/2020	12.94	11.20	1.74
CCPE	2/11/2020	12.94	6.96	5.98
CCPE	3/2/2020	12.94	8.34	4.60
CCPNE	1/23/2020	13.68	8.53	5.15
CCPNE	2/11/2020	13.68	7.80	5.88
CCPNE	3/2/2020	13.68	8.72	4.96
CCPSW	1/23/2020	13.67	8.13	5.54
CCPSW	2/11/2020	13.67	7.76	5.91
CCPSW	3/2/2020	13.67	8.28	5.39
CCW-4	1/23/2020	15.77	4.50	11.27
CCW-4	2/11/2020	15.77	4.45	11.32
CCW-4	3/2/2020	15.77	4.44	11.33
GH6-M1	1/23/2020	-	27.48	-
GH6-M1	2/11/2020	-	27.35	-
GH6-M1	3/2/2020	-	27.34	-
GH8-M3	1/23/2020	-	26.70	-
GH8-M3	2/11/2020	-	26.54	-
GH8-M3	3/2/2020	-	26.48	-
GH9-M4	1/23/2020	-	Buried	-
GH9-M4	2/11/2020	-	Buried	-
GH9-M4	3/2/2020	-	Buried	-
M6-1	1/23/2020	-	24.60	-
M6-1	2/11/2020	-	6.22	-
M6-1	3/2/2020	-	6.45	-
M6-2	1/23/2020	-	5.78	-
M6-2	2/11/2020	-	4.59	-
M6-2	3/2/2020	-	4.74	-
M7-1	1/23/2020	-	6.76	-
M7-1	2/11/2020	-	7.18	-
M7-1	3/2/2020	-	7.45	-
M7-2	1/23/2020	-	5.67	-
M7-2	2/11/2020	-	6.95	-
M7-2	3/2/2020	-	6.60	-
MBCMW-7	1/23/2020	16.64	NM	-
MBCMW-7	2/11/2020	16.64	11.08	5.56
MBCMW-7	3/2/2020	16.64	NM	-
MBCMW-8	1/23/2020	16.53	6.20	10.33
MBCMW-8	2/11/2020	16.53	6.83	9.70
MBCMW-8	3/2/2020	16.53	7.05	9.48
MBCMW-9	1/23/2020	17.71	6.30	11.41
MBCMW-9	2/11/2020	17.71	6.46	11.25
MBCMW-9	3/2/2020	17.71	6.73	10.98
MBCMW-10	1/23/2020	17.74	8.70	9.04
MBCMW-10	2/11/2020	17.74	8.30	9.44
MBCMW-10	3/2/2020	17.74	9.23	8.51

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	1/23/2020	15.29	4.90	10.39
MCWP-MW04S	2/11/2020	15.29	5.46	9.83
MCWP-MW04S	3/2/2020	15.29	5.73	9.56
MCWP-MW07S	1/23/2020	13.72	5.72	8.00
MCWP-MW07S	2/11/2020	13.72	5.68	8.04
MCWP-MW07S	3/2/2020	13.72	5.88	7.84
MCWP-MW08	1/23/2020	12.21	8.53	3.68
MCWP-MW08	2/11/2020	12.21	8.13	4.08
MCWP-MW08	3/2/2020	12.21	8.60	3.61
MCWP-MW10	1/23/2020	11.11	7.90	3.21
MCWP-MW10	2/11/2020	11.11	7.31	3.80
MCWP-MW10	3/2/2020	11.11	8.12	2.99
P-4	1/23/2020	12.16	7.20	4.96
P-4	2/11/2020	12.16	6.34	5.82
P-4	3/2/2020	12.16	7.40	4.76
P-9	1/23/2020	12.17	7.40	4.77
P-9	2/11/2020	12.17	6.78	5.39
P-9	3/2/2020	12.17	7.70	4.47
SMBRP-2	1/23/2020	13.13	8.47	4.66
SMBRP-2	2/11/2020	13.13	8.25	4.88
SMBRP-2	3/2/2020	13.13	8.75	4.38
SMBRP-6	1/23/2020	26.88	14.70	12.18
SMBRP-6	2/11/2020	26.88	14.68	12.20
SMBRP-6	3/2/2020	26.88	14.73	12.15
SMBRP-7B	1/23/2020	18.99	9.65	9.34
SMBRP-7B	2/11/2020	18.99	9.84	9.15
SMBRP-7B	3/2/2020	18.99	10.02	8.97
SMBRP-8 (EC1-RC-MW01)	1/23/2020	48.69	26.15	22.54
SMBRP-8 (EC1-RC-MW01)	2/11/2020	48.69	25.95	22.74
SMBRP-8 (EC1-RC-MW01)	3/2/2020	48.69	25.60	23.09
SMBRP-9	1/23/2020	50.32	36.64	13.68
SMBRP-9	2/11/2020	50.32	36.56	13.76
SMBRP-9	3/2/2020	50.32	36.42	13.90
SMBRP-10C	1/23/2020	16.25	2.28	13.97
SMBRP-10C	2/11/2020	16.25	3.57	12.68
SMBRP-10C	3/2/2020	16.25	4.39	11.86
SMBRP-12	1/23/2020	12.62	7.50	5.12
SMBRP-12	2/11/2020	12.62	7.56	5.06
SMBRP-12	3/2/2020	12.62	7.62	5.00
SMBRP-13	1/23/2020	13.58	8.17	5.41
SMBRP-13	2/11/2020	13.58	7.47	6.11
SMBRP-13	3/2/2020	13.58	8.48	5.10
SMBRP-15B	1/23/2020	16.77	dry	-
SMBRP-15B	2/11/2020	16.77	dry	-
SMBRP-15B	3/2/2020	16.77	dry	-
SMBRP-16	1/23/2020	14.50	2.22	12.28
SMBRP-16	2/11/2020	14.50	3.03	11.47
SMBRP-16	3/2/2020	14.50	inaccessible	-

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/23/2020	17.90	10.66	7.24
MCWP-MW01	2/11/2020	17.90	9.68	8.22
MCWP-MW01	3/2/2020	17.90	10.72	7.18
MCWP-MW02	1/23/2020	18.06	12.70	5.36
MCWP-MW02	2/11/2020	18.06	10.10	7.96
MCWP-MW02	3/2/2020	18.06	12.15	5.91
MCWP-MW03	1/23/2020	15.31	8.65	6.66
MCWP-MW03	2/11/2020	15.31	NM	-
MCWP-MW03	3/2/2020	15.31	8.76	6.55
MCWP-MW04D	1/23/2020	15.43	9.80	5.63
MCWP-MW04D	2/11/2020	15.43	8.83	6.60
MCWP-MW04D	3/2/2020	15.43	9.93	5.50
MCWP-MW05	1/23/2020	13.92	7.74	6.18
MCWP-MW05	2/11/2020	13.92	7.38	6.54
MCWP-MW05	3/2/2020	13.92	8.20	5.72
MCWP-MW06	1/23/2020	16.05	10.39	5.66
MCWP-MW06	2/11/2020	16.05	9.63	6.42
MCWP-MW06	3/2/2020	16.05	10.42	5.63
MCWP-MW07D	1/23/2020	13.21	8.54	4.67
MCWP-MW07D	2/11/2020	13.21	6.83	6.38
MCWP-MW07D	3/2/2020	13.21	8.25	4.96
MCWP-MW09	1/23/2020	16.30	6.56	9.74
MCWP-MW09	2/11/2020	16.30	5.50	10.80
MCWP-MW09	3/2/2020	16.30	6.60	9.70

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/23/2020	104.55	53.08	51.47
LAMW-5S	2/11/2020	104.55	53.19	51.36
LAMW-5S	3/2/2020	104.55	53.40	51.15
SMBRP-11	1/23/2020	18.35	NM	-
SMBRP-11	2/11/2020	18.35	8.39	9.96
SMBRP-11	3/2/2020	18.35	8.64	9.71

Notes:
Elevations measured in feet above mean sea level

NM: Depth to water was not measured; groundwater monitoring well was not accessible

-: No data available

TOC: Top of well casing

ft bTOC: Feet below top of well casing

Table 2
Long-Term Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)
Biological Oxygen Demand (BOD)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Turbidity (includes color and odor)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Suspended Solids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Residual Chlorine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Organic Carbon	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Oil and Grease	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Nitrate and Nitrite as Nitrogen (calculation)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Organic Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Total Nitrogen (includes TKN)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓

Surface Water	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring
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:
✓: Laboratory analysis completed
-: Sampling & analysis not required
[1]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

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	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	3/4/2020	> **2,400**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.14**
Near Shore	Ankle Depth	N-002	3/4/2020	= **170**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.25**
Near Shore	Ankle Depth	N-003	3/4/2020	= **260**	= **8.5**	< 0.10	< 20	= **0.16**	= **0.090 J**	= **0.48**	= **0.10**
Near Shore	Ankle Depth	N-004	3/4/2020	= **150**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.16**
Malibu Lagoon and Creek	1 foot BSW	L-001	3/4/2020	= **390**	< 1.0	= **0.38**	< 1.0	= **0.61**	< 0.10	= **0.61**	= **0.35**
Malibu Lagoon and Creek	1 foot BSW	L-002	3/4/2020	= **1,400**	= **66**	= **1.3**	< 1.0	= **0.27**	< 0.10	= **0.27**	= **0.55**
Malibu Lagoon and Creek	1 foot BSW	L-003	3/4/2020	> **2,400**	= **5.0**	= **0.75**	< 1.0	= **9.3**	= **0.14**	= **9.4**	= **0.41**
Malibu Lagoon and Creek	1 foot BSW	L-004	3/4/2020	> **2,400**	= **190**	= **0.95**	< 1.0	= **0.46**	< 0.10	= **0.46**	= **0.52**
Malibu Lagoon and Creek	1 foot BSW	L-005	3/4/2020	> **2,400**	= **200**	= **0.57**	< 2.5	= **0.20**	= **0.057**	= **0.26**	= **0.41**
Malibu Lagoon and Creek	1 foot BSW	L-006	3/4/2020	> **2,400**	= **43**	< 0.10	< 1.0	= **0.98**	= **0.52**	= **1.5**	= **0.50**

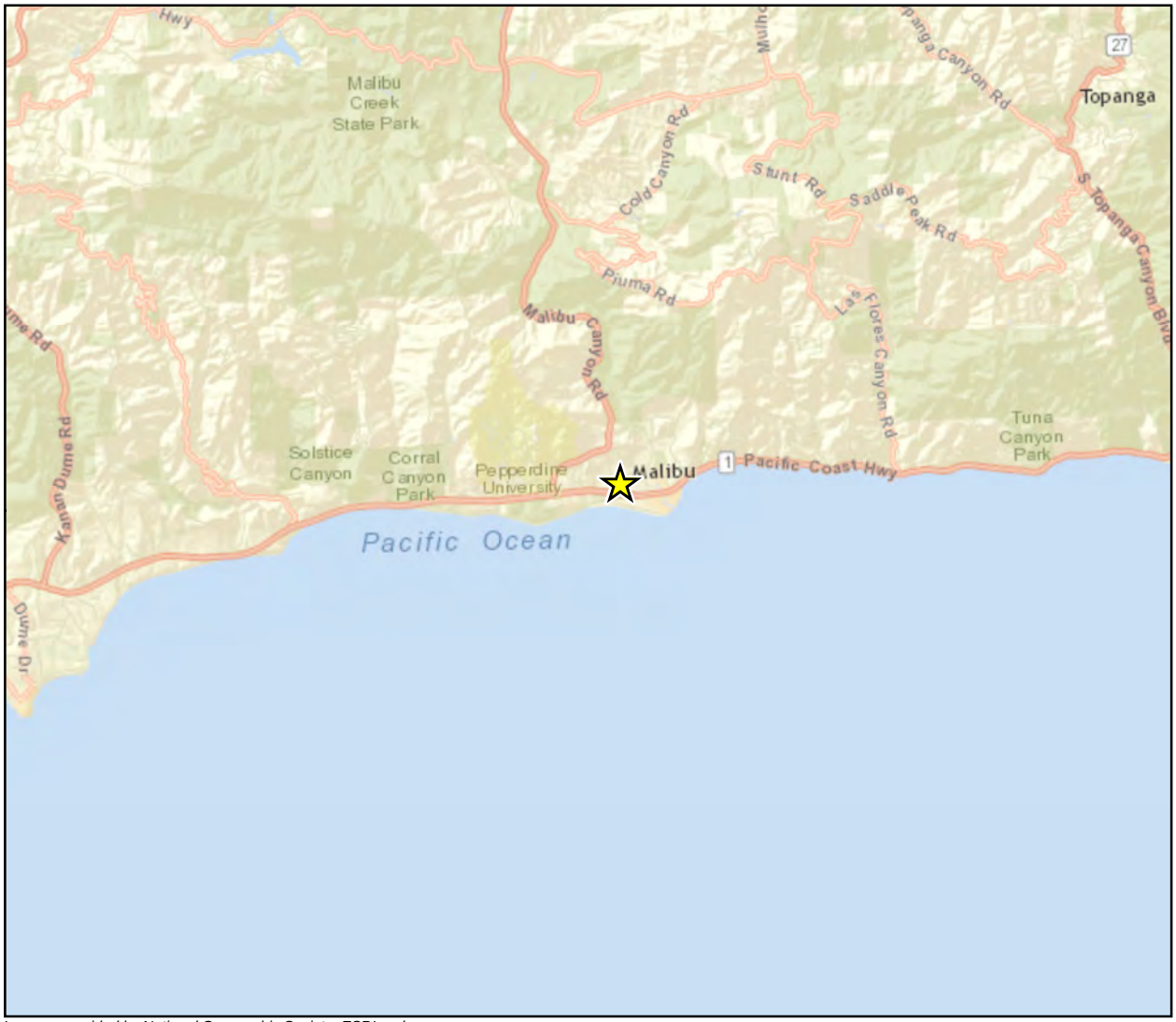
Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
-: Concentration is esimated by adding the concentrations of Total Kjeldahl Nitrogen and Ammonia Nitrogen, which were not detected above the RDL
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/100mL: 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	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	3/3/2020	= **820**	< 1.0	= **4.3**	< 0.10	= **4.3**	= **0.38**	= **0.082**	= **0.46**	= **4.8**	= **1.1**	= **0.22**	= **69**	= **510**	= **110**
SMBRP-7B	25	3/3/2020	= **1,400**	= **360**	= **1.2**	< 0.10	= **1.2**	= **0.31**	= **0.099**	= **0.41**	-	= **0.17**	-	-	= **990**	-
SMBRP-9	45	3/4/2020	< 1.0	< 1.0	= **0.89**	< 0.10	= **0.89**	= **0.28**	= **0.072**	= **0.35**	= **1.2**	= **0.099**	= **0.48**	= **210**	= **1,200**	= **150**
SMBRP-11	20	3/3/2020	= **1,400**	< 1.0	= **3.5**	< 0.10	= **3.5**	= **0.80**	= **1.3**	= **2.1**	= **5.6**	= **0.016**	= **0.63**	= **420**	= **1,500**	= **270**
SMBRP-12	25	3/4/2020	= **23**	< 1.0	< 0.10	< 0.10	< 0.10	= **0.50**	= **5.7**	= **6.2**	= **6.2**	= **1.5**	= **0.54**	= **150**	= **1,100**	= **200**
SMBRP-13	19	3/4/2020	< 1.0	< 1.0	< 0.10	< 0.10	< 0.10	= **0.31**	= **0.32**	= **0.63**	-	= **0.19**	-	-	= **3,700**	-
MBCMW-9	9.0	3/3/2020	= **290**	= **2.0**	< 0.10	< 0.10	< 0.10	= **1.4**	= **0.14**	= **0.99**	-	= **0.20**	-	-	= **4,700**	= **-**
MCWP-MW04S	20	3/3/2020	= **48**	< 1.0	< 2.0	< 2.0	< 2.0	= **0.71**	= **0.11**	= **0.82**	= **0.82**	= **0.34**	= **1.7**	= **2,800**	= **5,300**	= **700**
MCWP-MW04D	148	3/3/2020	< 1.0	< 1.0	= **1.4**	< 0.10	= **1.4**	-	< 0.10	< 0.40	= **1.4**	= **0.074**	= **0.83**	= **510**	= **1,500**	= **250**
MCWP-MW05	154	3/5/2020	-	-	= **2.2**	-	-	-	-	-	-	-	-	-	= **730**	= **-**
MCWP-MW06	138	3/4/2020	-	-	= **3.0**	-	-	-	-	-	-	-	-	-	= **890**	-
MCWP-MW07S	20	3/4/2020	> **2,400**	= **38**	= **4.1**	< 0.10	= **4.1**	= **0.16**	= **0.24**	= **0.40**	= **4.5**	= **0.10**	= **0.29**	= **240**	= **1,100**	= **200**
MCWP-MW07D	130	3/5/2020	= **75**	= **44**	< 0.10	= **0.35**	= **0.35**	= **0.48**	= **0.15**	= **0.63**	= **0.98**	= **0.14**	= **0.57**	= **470**	= **1,600**	= **360**
MCWP-MW09	95	3/4/2020	> **2,400**	= **1.0**	= **1.5**	= **0.10**	= **1.5**	= **0.36**	= **0.073**	= **0.43**	= **1.9**	= **0.31**	= **0.64**	= **460**	= **1,700**	= **440**
MCWP-MW10	22	3/4/2020	= **460**	< 1.0	= **0.86**	< 0.10	= **0.86**	= **0.71**	= **0.025**	= **0.73**	-	= **0.087**	-	-	= **1,800**	-
CCPE	53	3/5/2020	> **2,400**	= **1.0**	= **1.0**	< 0.10	= **1.0**	= **0.27**	< 0.10	= **0.27**	-	= **0.10**	-	-	= **1,400**	-

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
-: Constituent not reported
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters

Figures



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Project Location

N

0 1 2

Miles

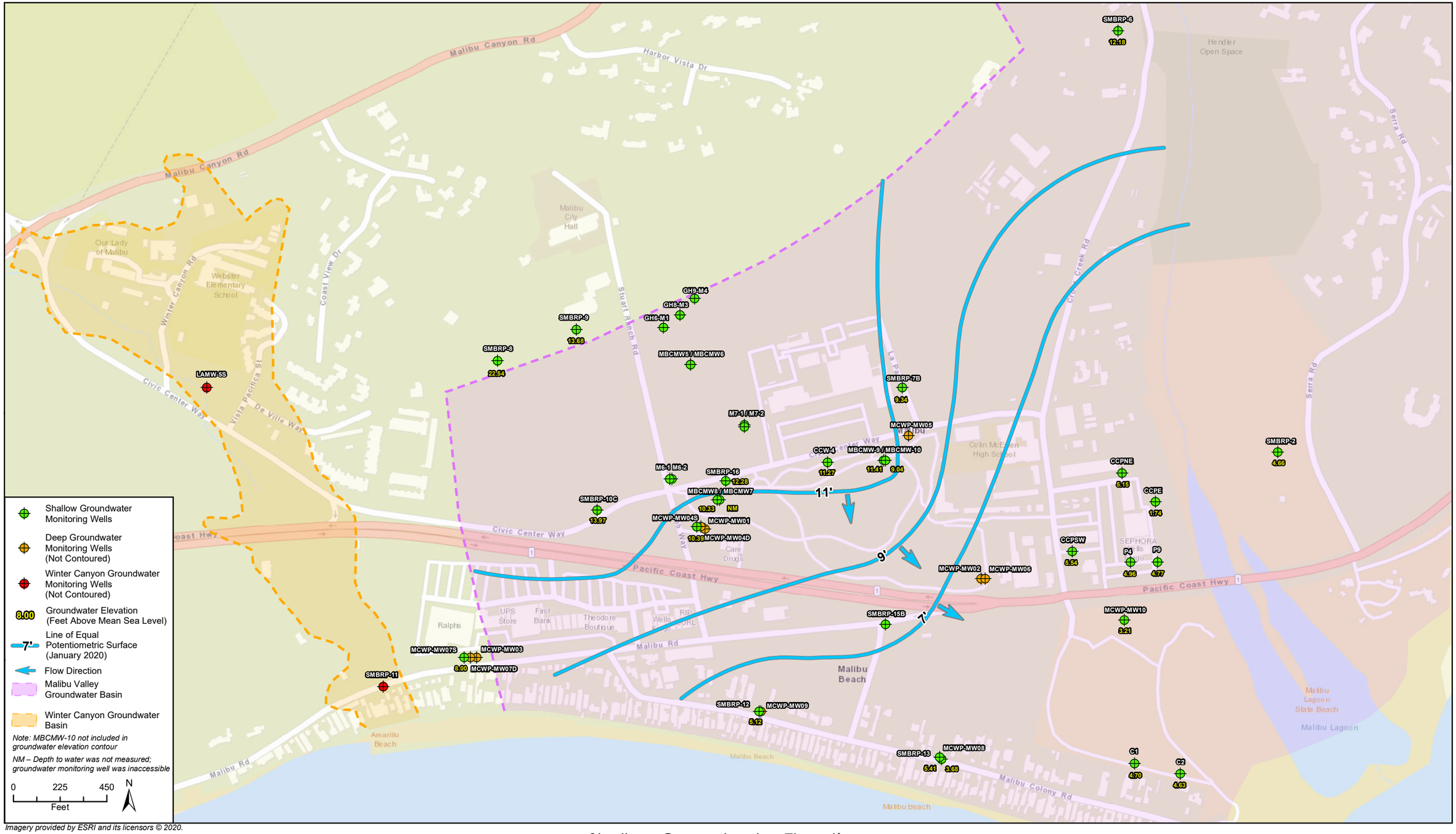
Vicinity Map

Figure 1

Imagery provided by Google and its licensors © 2018.

Site Map - Civic Center Area

Figure 2



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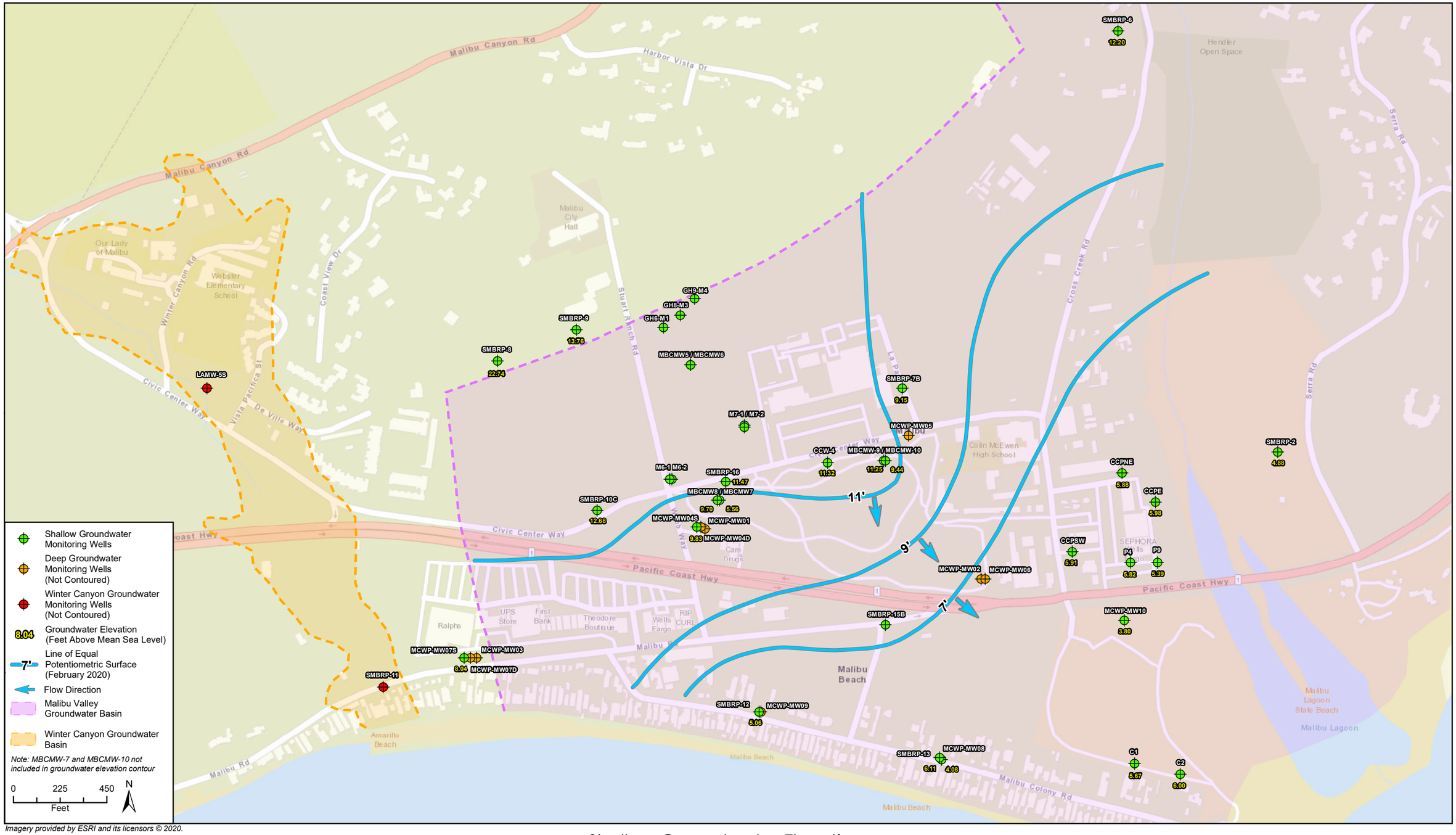
Shallow Groundwater Elevation
January 2020

Figure 3



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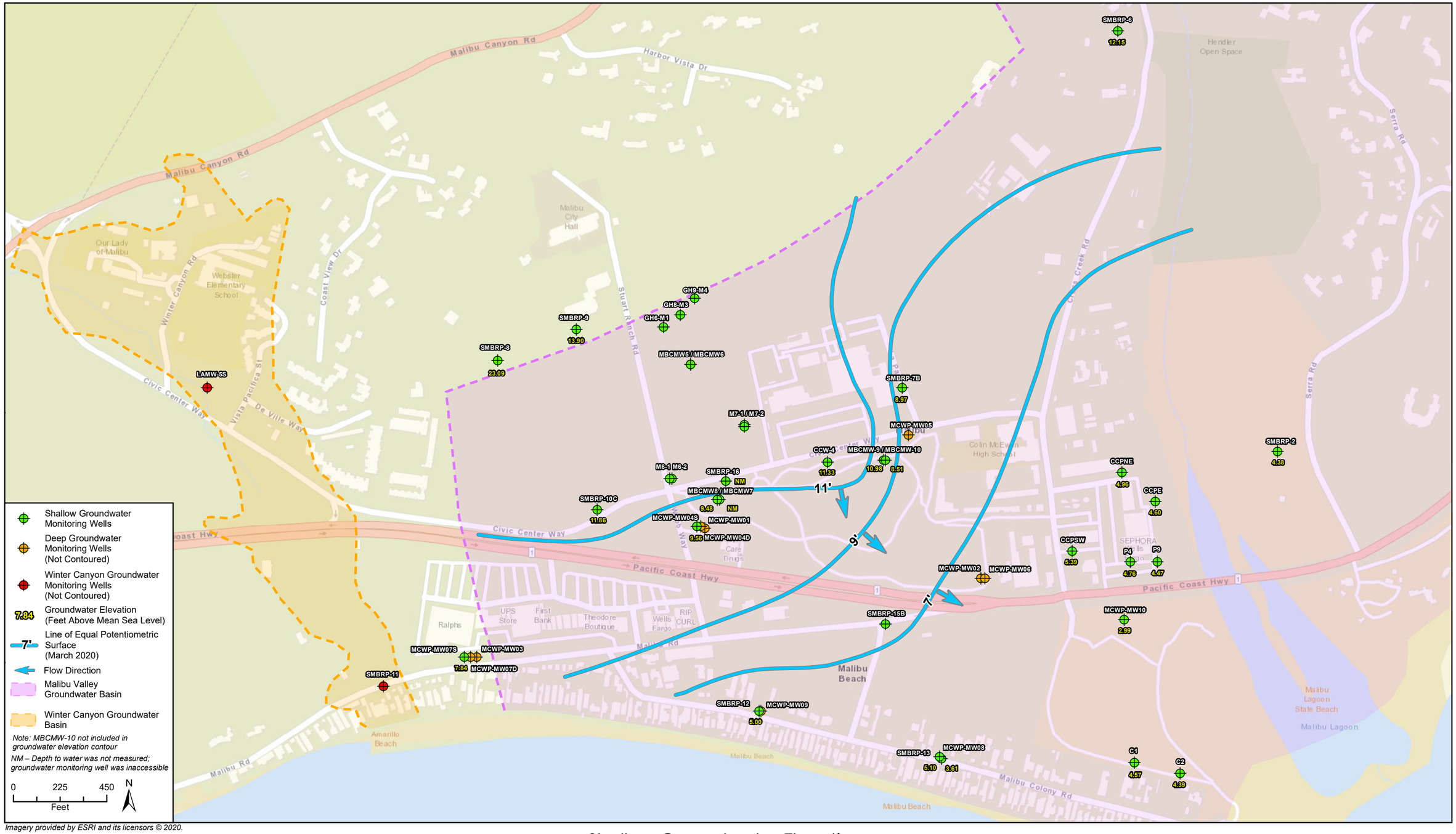
Shallow Groundwater Elevation
February 2020

Figure 4



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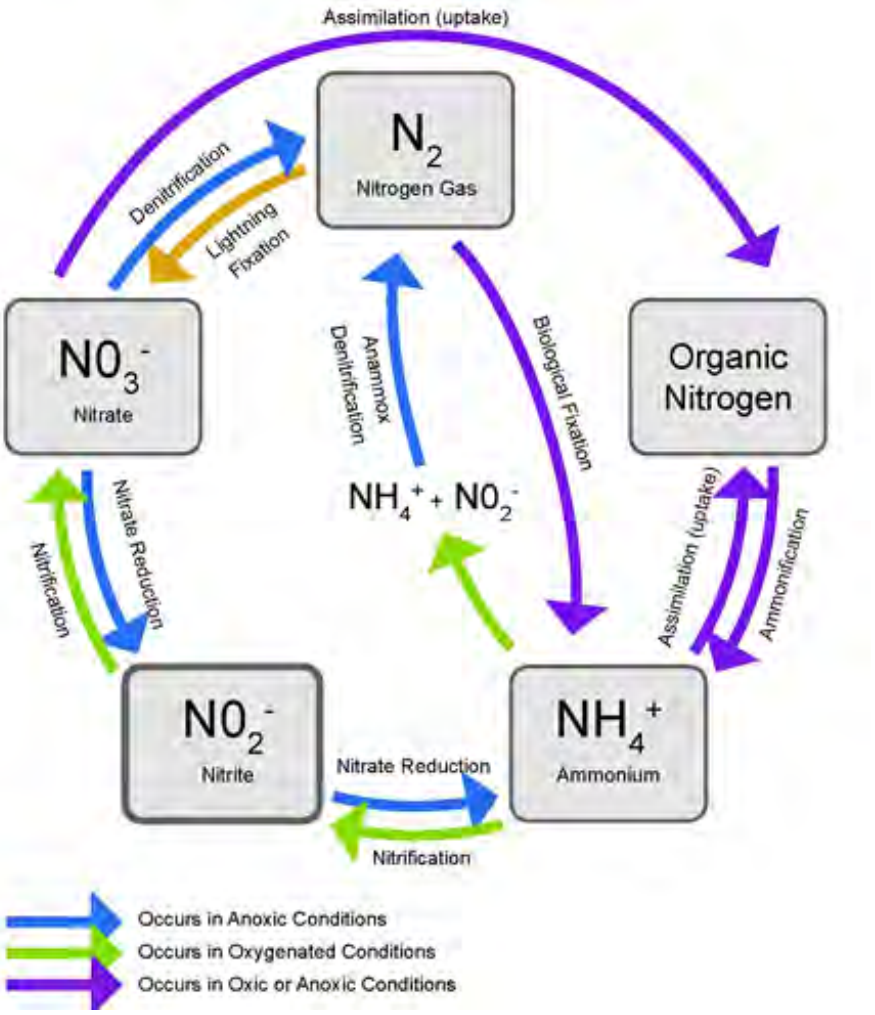
Shallow Groundwater Elevation
March 2020

Figure 5



The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 1/23/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1335	6.77	
C-2	14.5	2	1342	6.56	
CCPE	52	2	1419	11.20	
CCPNE		2	1415	8.53	MISSING BOLTS
CCPSW		2	1430	8.13	
CCW-4		1	1135	4.5	MISSING BOLTS
GH6-M1	35	2	1200	27.48	MISSING BOLTS
GH8-M3	40	2	1207	26.7	MISSING BOLTS
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	INACCESSABLE
LAMW-5S	74	4	1113	53.08	MISSING BOLT
M6-1	45	2	1221	24.6	
M6-2	20	2	1220	5.78	
M7-1	40	2	1151	6.76	
M7-2	25	2	1152	5.67	
MBCMW-5	19.4	n/a	1159	17.23	MAY HAVE INSTALLED NEW WELL (ONLY 1)
MBCMW-6	64.26	n/a	"	"	CONFIRM W/ CITY.
MBCMW-7	52.5	2	—	—	INACCESSABLE
MBCMW-8	10	2	1242	6.2	MISSING BOLTS
MBCMW-9	9	2	1123	6.3	MISSING BOLTS
MBCMW-10	53	2	1124	8.7	"
MCWP-MW01	148	6	1236	10.66	
MCWP-MW02	145	6	1437	12.7	MISSING BOLTS
MCWP-MW03	134	6	1255	8.65	MISSING BOLTS
MCWP-MW04D	145	4	1231	9.8	
MCWP-MW04S	20	4	1230	4.9	MISSING BOLTS
MCWP-MW05	150	4	1129	7.74	
MCWP-MW06	137	2	1435	10.39	MISSING BOLT
MCWP-MW07D	134	2	1256	8.54	MISSING BOLTS
MCWP-MW07S	20	2	1257	5.72	MISSING BOLT
MCWP-MW08	77	2	1316	8.53	
MCWP-MW09	89	2	1311	6.56	MISSING BOLT
MCWP-MW10	22	2	1328	7.9	
P-4	12.5	4	1426	7.2	
P-9	14.3	4	1425	7.4	
SMBRP-2	25	2	1358	8.47	
SMBRP-6	25	2	1409	14.7	
SMBRP-7b	25	2	1141	9.65	
SMBRP-8 (EG-RC MW01)	60	4	1057	26.15	
SMBRP-9	45	2	1050	36.64	
SMBRP-10C	25	2	1106	2.28	
SMBRP-11	20	2	—	—	INACCESSABLE - CAR PARKED OVER
SMBRP-12	25	2	1309	7.5	
SMBRP-13	20	2	1319	8.17	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1247	2.22	MISSING BOLTS

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / / 2/11/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1233	5.90	
C-2	14.5	2	1230	5.19	
CCPE	52	2	1047	6.96	
CCPNE		2	1052	7.80	
CCPSW		2	1056	7.76	
CCW-4		1	1005	4.45	
GH6-M1	35	2	0920	27.35	
GH8-M3	40	2	0924	26.54	
GH9-M4	45	2			N/A
Lagoon	n/a	n/a			N/A
LAMW-5S	74	4	0950	53.19	
M6-1	45	2	0932	6.22	
M6-2	20	2	0930	4.59	
M7-1	40	2	0935	7.18	
M7-2	25	2	0934	6.95	
MBCMW-5	19.4	~~n/a~~ 2	0927	17.35	
MBCMW-6	64.26	n/a			N/A
MBCMW-7	52.5	2	957	11.05	
MBCMW-8	10	2	955	6.93	
MBCMW-9	9	2	1011	6.46	
MBCMW-10	53	2	1012	8.30	
MCWP-MW01	148	6	1119	9.66	
MCWP-MW02	145	6	1104	10.10	
MCWP-MW03	134	6			WELL PACKED OVER
MCWP-MW04D	145	4	1115	9.93	
MCWP-MW04S	20	4	1112	5.46	
MCWP-MW05	150	4	1010	7.38	
MCWP-MW06	137	2	1106	9.63	
MCWP-MW07D	134	2	1125	6.83	
MCWP-MW07S	20	2	1123	5.66	
MCWP-MW08	77	2	1140	8.13	
MCWP-MW09	89	2	1139	5.50	
MCWP-MW10	22	2	1240	7.31	
P-4	12.5	4	1040	6.34	
P-9	14.3	4	1042	6.76	
SMBRP-2	25	2	1035	8.25	
SMBRP-6	25	2	1030	14.66	
SMBRP-7b	25	2	1016	9.54	
SMBRP-8 (EG-RC MW01)	60	4	0910	25.95	
SMBRP-9	45	2	0905	36.56	
SMBRP-10C	25	2	0947	3.57	
SMBRP-11	20	2	1132	8.39	
SMBRP-12	25	2	1141	7.56	
SMBRP-13	20	2	1147	7.47	
SMBRP-15b	25	1	1200	DRY	TD = 8.25
SMBRP-16	25	2	1000	3.03	

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 3/2/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1145	6.9	
C-2	14.5	2	1147	6.8	
CCPE	52	2	1223	8.34	Total depth = 52.29
CCPNE		2	1218	8.72	
CCPSW		2	1234	8.28	
CCW-4		1	1028	4.44	
GH6-M1	35	2	1011	27.34	
GH8-M3	40	2	1014	26.48	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	N/A
LAMW-5S	74	4	0930	53.4	Total depth = 74.05
M6-1	45	2	1019	6.45	
M6-2	20	2	1020	4.74	
M7-1	40	2	~~1000~~	~~6.6~~	1002 | 7.45
M7-2	25	2	1000	6.6	
MBCMW-5	19.4	2	1005	17.35	
MBCMW-6	64.26	n/a	—	—	REMOVED
MBCMW-7	52.5	2	—	—	COULD NOT REMOVE COVER
MBCMW-8	10	2	1300	7.05	
MBCMW-9	9	2	1030	6.73	Total depth = 9.23
MBCMW-10	53	2	1031	9.23	
MCWP-MW01	148	6	1251	10.72	
MCWP-MW02	145	6	1242	12.15	
MCWP-MW03	134	6	1319	8.76	
MCWP-MW04D	145	4	1250	9.93	Total depth = 148.15
MCWP-MW04S	20	4	1030	5.73	Total depth = 20.43
MCWP-MW05	150	4	1039	8.2	Total depth = 152.7
MCWP-MW06	137	2	1240	10.42	Total depth = 137.7
MCWP-MW07D	134	2	0900	8.25	Total depth = 128.46
MCWP-MW07S	20	2	0910	5.88	Total depth = 16.95
MCWP-MW08	77	2	1123	8.6	
MCWP-MW09	89	2	~~1030~~	~~6.73~~	Total depth = 89.25 1114 | 6.6
MCWP-MW10	22	2	~~1031~~	~~9.23~~	Total depth = 22.18 1135 | 8.12
P-4	12.5	4	1231	7.4	
P-9	14.3	4	1230	7.7	
SMBRP-2	25	2	1200	8.75	
SMBRP-6	25	2	1211	14.73	
SMBRP-7b	25	2	1050	10.02	Total depth = 24.9
SMBRP-8 (EG-RC MW01)	60	4	0941	25.6	
SMBRP-9	45	2	0932	36.42	Total depth = 44.97
SMBRP-10C	25	2	0951	4.39	
SMBRP-11	20	2	1103	8.64	Total depth = 20.05
SMBRP-12	25	2	1113	7.62	Total depth = 24.67
SMBRP-13	20	2	1124	8.48	Total depth = 19.3
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	—	—	PARKED OVER

GUAGED BY: Michelle Carter + Peter DORAN

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3·2·2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-5S
Observation Period	Start: 0930 Stop: 1020	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73
Well Diameter (in)	4	Depth of Well (ft)	74.05
Initial/Static Depth to Water (ft)	53.40	Length of Water Column (ft)	20.65
Product Thickness (ft)	~~74.05~~	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	13.4	Three Casing Volumes (gal)	40.3
Purge Time, Start	1000	Purge Time, Stop	1015
Total Purge Time (minutes)	15	Purge Rate (gpm)	1.3
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	53.33

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5						At Sampling
Temperature (C)	19.7	20.5	WELL					20.9
pH	6.60	6.71	DEWATERED					6.55
Conductivity (µS)	1049	1057	@ 20 GAL.					1046
Dissolved Oxygen (mg/L)	2.90	2.80						2.7
Dissolved Oxygen (%)	32.0	31.1						30.9
TDS (ppm)	687	688						512
Turbidity (NTU)	15.6	10.3						26.2

Depth to Water at End of Purge (ft): 73.12 Drawdown (ft): 19.72

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1000 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

19.72 + 0.2 * 53.40 = 57.34

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW04S
Observation Period	Start: 1030 Stop: 1058	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	320.43
Initial/Static Depth to Water (ft)	5.73	Length of Water Column (ft)	14.70
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.6	Three Casing Volumes (gal)	28.7
Purge Time, Start	1040	Purge Time, Stop	1052
Total Purge Time (minutes)	12	Purge Rate (gpm)	1.7
Purge Volume (gal)	20.0	Depth to Water (ft) at Sampling	6.24

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	10.0	20.0					At Sampling
Temperature (C)	21.7	22.0	21.9					21.5
pH	7.21	7.26	7.28	WELL DEWATERED				7.25
Conductivity (µS)	7589	7455	7440	@ 20.0				6823
Dissolved Oxygen (mg/L)	3.38	4.59	4.49					7.54
Dissolved Oxygen (%)	39.3	53.9	52.2					87.4
TDS (ppm)	4930	4843	4836					2000
Turbidity (NTU)	10.3	10.3	10.3					0.34

Depth to Water at End of Purge (ft)	19.75	Drawdown (ft)	14.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1130 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.73 + 0.2 * 14.02 = 8.53

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-11
Observation Period	Start: 1105 Stop: 1120	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	HAND 3A.1 / Pump.	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20.05
Initial/Static Depth to Water (ft)	8.64	Length of Water Column (ft)	11.41
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.5
Purge Time, Start	1110	Purge Time, Stop	1115
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.4
Purge Volume (gal)	2.0	Depth to Water (ft) at Sampling	8.62

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0						At Sampling
Temperature (C)	23.0	22.0	~~25~~					23.2
pH	6.88	6.90	WELL DEWATERED					6.73
Conductivity (µS)	2993	2680	@ 2.0					2528
Dissolved Oxygen (mg/L)	2.75	2.82						1.64
Dissolved Oxygen (%)	32.4	32.3						19.3
TDS (ppm)	1946	1742						810
Turbidity (NTU)	34.4	59.1						66.2

Depth to Water at End of Purge (ft)	19.50	Drawdown (ft)	10.86

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 1015 3-3-20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.64 + 0.2 * 10.86 = 10.81

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 1130 Stop: 1150	Survey Reference Point:	TOC
Sampled By:	P. JORDAN	Witnessed By:	—

PURGING DATA

Type of Pump	~~Hand Bail~~	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	9.23
Initial/Static Depth to Water (ft)	6.67	Length of Water Column (ft)	2.56
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.4	Three Casing Volumes (gal)	1.2
Purge Time, Start	1135	Purge Time, Stop	1140
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.1
Purge Volume (gal)	0.5	Depth to Water (ft) at Sampling	6.70

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.5						At Sampling
Temperature (C)	20.0	20.1	WELL DEWATERED @ 0.75 GAL.					19.0
pH	6.84	6.77						6.90
Conductivity (µS)	7418	7411						7369
Dissolved Oxygen (mg/L)	2.57	2.55						3.0
Dissolved Oxygen (%)	29.0	29.3						32
TDS (ppm)	4917	4917						4774
Turbidity (NTU)	40.2	48.3						58.4

Depth to Water at End of Purge (ft)	9.02	Drawdown (ft)	2.35

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	2/2 TABS STRIPPED
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	GOOD

Comments: Sampled Time: 1030 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.67 + 0.2 * 2.35 = 7.14

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3·2·2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-7B
Observation Period	Start: 1200 Stop: 1220	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Pump.	Pump Inlet Depth (ft)	24.5
Well Diameter (in)	2	Depth of Well (ft)	25.05
Initial/Static Depth to Water (ft)	10.01	Length of Water Column (ft)	15.04
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.4	Three Casing Volumes (gal)	7.2
Purge Time, Start	1205	Purge Time, Stop	1212
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	10.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	7.5				At Sampling
Temperature (C)	21.5	21.5	21.4	21.4				20.4
pH	7.08	7.12	7.11	7.11				7.01
Conductivity (µS)	2445	1471	1501	1509				1674
Dissolved Oxygen (mg/L)	2.23	3.01	2.78	2.75				7.46
Dissolved Oxygen (%)	25.4	34.0	32.1	31.1				83.6
TDS (ppm)	1587	956	976	981				603
Turbidity (NTU)	45.5	27.1	15.9	14.6				25.6

Depth to Water at End of Purge (ft)	24.43	Drawdown (ft)	14.42

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 0945 3-3-20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.01 + 0.2 * 14.42 = 12.89

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.3.2020 FS
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW045
Observation Period	Start: 1040 Stop: 1340	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	
Well Diameter (in)	4	Depth of Well (ft)	145.34
Initial/Static Depth to Water (ft)	10.00	Length of Water Column (ft)	135.34
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.9	Three Casing Volumes (gal)	263.9
Purge Time, Start	1050	Purge Time, Stop	1325
Total Purge Time (minutes)	155	Purge Rate (gpm)	1.7
Purge Volume (gal)	264	Depth to Water (ft) at Sampling	10.00

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88	176	264				At Sampling
Temperature (C)	21.2	21.3	21.4	21.4				21.2
pH	7.04	7.08	7.05	6.99				7.08
Conductivity (µS)	2258	2477	2519	2510				2499
Dissolved Oxygen (mg/L)	3.20	3.47	3.05	1.95				2.62
Dissolved Oxygen (%)	36.0	39.7	34.0	20.9				29.5
TDS (ppm)	759	835	960	984				961
Turbidity (NTU)	9.3	1.03	0	0				0

Depth to Water at End of Purge (ft)	10.10	Drawdown (ft)	0.10

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.00 + 0.2 * 0.10 = 10.02

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-4-20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0915 Stop: 1030	Survey Reference Point:	TOC
Sampled By:	MICHELLE CARTER	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2"	Depth of Well (ft)	45.0
Initial/Static Depth to Water (ft)	36.43	Length of Water Column (ft)	8.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.37	Three Casing Volumes (gal)	4.11
Purge Time, Start	0930	Purge Time, Stop	0945
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.27
Purge Volume (gal)	4.1	Depth to Water (ft) at Sampling	36.75

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3	4.1				At Sampling
Temperature (C)	20.5	20.7	20.9	20.9				22.1
pH	7.26	7.3	7.31	7.3				7.21
Conductivity (µS)	1979	2061	2136	2203				2240
Dissolved Oxygen (mg/L)	6.07	5.99	6.14	6.45				6.48
Dissolved Oxygen (%)	67.6	66.9	68.9	72.9				74.7
TDS (ppm)	1405	1459	1505	1542				1542
Turbidity (NTU)	30.61	25.14	45.85	52.4				72.0

Depth to Water at End of Purge (ft)	38.61	Drawdown (ft)	2.18

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	overcast

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

36.43 + 0.2 * 2.18 = 36.80

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW06
Observation Period	Start: 0915 Stop: 1020	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	134
Well Diameter (in)	2	Depth of Well (ft)	136.45
Initial/Static Depth to Water (ft)	10.30	Length of Water Column (ft)	126.15
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.2	Three Casing Volumes (gal)	60.6
Purge Time, Start	0927	Purge Time, Stop	1005
Total Purge Time (minutes)	38	Purge Rate (gpm)	1.6
Purge Volume (gal)	61.0	Depth to Water (ft) at Sampling	10.30

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	40.5	61.0				At Sampling
Temperature (C)	19.6	20.3	20.4	20.4				20.3
pH	7.24	7.22	7.21	7.22				7.37
Conductivity (µS)	2226	2264	2256	2268				1396
Dissolved Oxygen (mg/L)	2.61	2.49	2.38	2.42				4.07
Dissolved Oxygen (%)	29.0	28.9	26.4	27.4				44.4
TDS (ppm)	1449	1472	1467	1474				905
Turbidity (NTU)	2.4	6.7	3.2	2.0				11.1

Depth to Water at End of Purge (ft): 10.49 Drawdown (ft): 0.19

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: 1/2 TABS MISSING

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1010

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.30 + 0.2 * 0.19 = 10.33

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1035 Stop: 1120	Survey Reference Point:	TOC
Sampled By:	P. JORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	95
Well Diameter (in)	2	Depth of Well (ft)	99.16
Initial/Static Depth to Water (ft)	6.61	Length of Water Column (ft)	82.57
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.21	Three Casing Volumes (gal)	39.6
Purge Time, Start	1044	Purge Time, Stop	1114
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.3
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.73

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	26.5	40.0				At Sampling
Temperature (C)	22.5	22.5	23.0	22.6				25.5
pH	7.42	7.42	7.42	7.33				7.55
Conductivity (µS)	3208	3312	3393	3356				3282
Dissolved Oxygen (mg/L)	3.04	3.17	3.5	2.88				5.96
Dissolved Oxygen (%)	32.0	36.4	40.6	32.8				73.7
TDS (ppm)	2189	2253	2291	2282				2110
Turbidity (NTU)	70.8	19.58	8.56	5.32				22.25

Depth to Water at End of Purge (ft)	6.73	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1115

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.61 + 0.2 * 0.12 = 6.63

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1100 Stop: 1140	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.56
Initial/Static Depth to Water (ft)	7.67	Length of Water Column (ft)	16.89
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1110	Purge Time, Stop	1125
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.5
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.66

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
Temperature (C)	23.3	22.6	22.4	22.4				24.0
pH	7.21	7.14	7.16	7.15				7.17
Conductivity (µS)	1959	2378	2490	2515				2018
Dissolved Oxygen (mg/L)	4.46	3.64	3.70	3.33				3.57
Dissolved Oxygen (%)	52.6	42.5	42.2	37.7				42.4
TDS (ppm)	1273	1545	1567	1635				1307
Turbidity (NTU)	24.9	71.4	74.6	69.8				49.7

Depth to Water at End of Purge (ft)	7.69	Drawdown (ft)	0.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1130

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.67 + 0.2 * 0.02 = 7.67

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 13
Observation Period	Start: 1155 Stop: 1220	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	19.42
Initial/Static Depth to Water (ft)	8.64	Length of Water Column (ft)	10.78
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.7	Three Casing Volumes (gal)	5.2
Purge Time, Start	1200	Purge Time, Stop	1210
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.64

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	3.5	5.5				At Sampling
Temperature (C)	22.0	21.1	21.1	21.1				20.4
pH	6.75 6.67	6.79	6.80	6.80				6.84
Conductivity (µS)	6207	6586	6646	6665				6514
Dissolved Oxygen (mg/L)	3.20	3.96	3.30	3.28				3.59
Dissolved Oxygen (%)	37.4	45.3	37.9	37.2				40.2
TDS (ppm)	4041	4282	4314	4332				4232
Turbidity (NTU)	42.6	49.7	53.4	58.2				32.4

Depth to Water at End of Purge (ft)	8.70	Drawdown (ft)	0.06

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.64 + 0.2 * 0.06 = 8.65

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-4-20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP- MW07S
Observation Period	Start: 1210 Stop: 1320	Survey Reference Point:	TOC
Sampled By:	MICHELLE CARTER	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	16.95
Initial/Static Depth to Water (ft)	5.9	Length of Water Column (ft)	11.05
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.77	Three Casing Volumes (gal)	5.3
Purge Time, Start	1225	Purge Time, Stop	1240
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.35
Purge Volume (gal)	5.3	Depth to Water (ft) at Sampling	7.14

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2	3.5	5.3	DEWATER @ 5.3ft			At Sampling
Temperature (C)	20.7	20.8	20.5	21.2				20.6
pH	7.28	7.36	7.35	7.4				7.3
Conductivity (µS)	2101	2019	2017	2099				2007
Dissolved Oxygen (mg/L)	4.31	5.04	4.32	3.92				6.91
Dissolved Oxygen (%)	48.4	58.8	47.5	40.4				80.5
TDS (ppm)	1486	1414	1434	1473				1422
Turbidity (NTU)	4.0	138.5	54.7	403.2				125.54

Depth to Water at End of Purge (ft)	12.12	Drawdown (ft)	6.22

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1315

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.9 + 0.2 * 6.22 = 7.14

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW-10
Observation Period	Start: 1240 Stop: 1310	Survey Reference Point:	TOC
Sampled By:	P. Doran	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	20
Well Diameter (in)	2	Depth of Well (ft)	22.14
Initial/Static Depth to Water (ft)	8.18	Length of Water Column (ft)	13.96
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.2	Three Casing Volumes (gal)	6.7
Purge Time, Start	1244	Purge Time, Stop	1251
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	7.0	Depth to Water (ft) at Sampling	8.20

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	4.5	7.0				At Sampling
Temperature (C)	21.2	20.7	20.6	20.6				20.5
pH	7.20	7.12	7.12	7.12				7.11
Conductivity (µS)	3007	3030	3032	3032				3054
Dissolved Oxygen (mg/L)	~~1955~~ 3.77	4.10	3.92	3.90				3.95
Dissolved Oxygen (%)	~~842.2~~	45.9	43.0	42.9				44.2
TDS (ppm)	1954	1972	1972	1972				1995
Turbidity (NTU)	2.9	0	0	0				20.4

Depth to Water at End of Purge (ft)	8.60	Drawdown (ft)	0.42

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good, 1/2 TABS missing
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR.

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.14 + 0.2 * 0.42 = 8.26

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.5.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW07D
Observation Period	Start: 0900 Stop: 1005	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	127.5
Well Diameter (in)	2	Depth of Well (ft)	128.46
Initial/Static Depth to Water (ft)	8.25	Length of Water Column (ft)	120.21
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.2	Three Casing Volumes (gal)	57.7
Purge Time, Start	0937	Purge Time, Stop	1009
Total Purge Time (minutes)	32	Purge Rate (gpm)	1.8
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	8.25

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	38.5	58.0				At Sampling
Temperature (C)	20.7	21.3	22.1	21.7				22.7
pH	7.34	7.16	7.12	7.13				7.14
Conductivity (µS)	2164	2646	2755	2730				2704
Dissolved Oxygen (mg/L)	4.66	4.18	4.06	4.12				2.59
Dissolved Oxygen (%)	52.2	47.3	48.8	47.7				30.3
TDS (ppm)	1536	1850	1882	1888				1835
Turbidity (NTU)	35.7	0.60	0.03	1.19				0

Depth to Water at End of Purge (ft)	8.25	Drawdown (ft)	0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1010

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.25 + 0.2 * 0 = 8.25

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3.5.20	
Project/Location Malibu, CA Civic Center Area		Well Number: CCPE	
Observation Period Start: 1020 Stop: 1050		Survey Reference Point: TOC	
Sampled By: P. Dorn		Witnessed By: MC	

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	51.5
Well Diameter (in)	2	Depth of Well (ft)	52.19
Initial/Static Depth to Water (ft)	8.21	Length of Water Column (ft)	43.98
Product Thickness (ft)	–	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.0	Three Casing Volumes (gal)	21.1
Purge Time, Start	1028	Purge Time, Stop	1040
Total Purge Time (minutes)	12	Purge Rate (gpm)	1.79
Purge Volume (gal)	21.5	Depth to Water (ft) at Sampling	8.21

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	7.0	14.0	21.5				At Sampling
Temperature (C)	20.3	19.8	19.6	19.6				19.5
pH	6.99	7.00	7.04	7.05				7.01
Conductivity (µS)	2074	2027	2025	2089				2034
Dissolved Oxygen (mg/L)	3.65	3.80	3.81	4.40				3.54
Dissolved Oxygen (%)	40.6	41.0	41.4	48.3				37.8
TDS (ppm)	1476	1461	1468	1475				1478
Turbidity (NTU)	8.03	3.49	0	0.06				0

Depth to Water at End of Purge (ft): 8.21 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1045

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.21 + 0.2 * 0 = 8.21

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-5-20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW05
Observation Period	Start: 1100 Stop: 1240	Survey Reference Point:	TOC
Sampled By:	PETER DORAN	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	PUMP / BAILER	Pump Inlet Depth (ft)	150
Well Diameter (in)	4	Depth of Well (ft)	150.60
Initial/Static Depth to Water (ft)	8.21	Length of Water Column (ft)	142.39
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	92.55	Three Casing Volumes (gal)	277.6
Purge Time, Start	1115	Purge Time, Stop	1235
Total Purge Time (minutes)	80	Purge Rate (gpm)	3.4
Purge Volume (gal)	277.5	Depth to Water (ft) at Sampling	8.21

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	92.5	185.0	277.5				At Sampling
Temperature (C)	21.3	20.0	20.5	19.2				20.1
pH	7.17	7.01	7.07	7.24				7.79
Conductivity (µS)	1781	2036	2034	1972				1253
Dissolved Oxygen (mg/L)	2.72	3.71	3.95	3.27				6.92
Dissolved Oxygen (%)	31.1	45.3	43.8	37.7				76.7
TDS (ppm)	1244	1448	1446	1439				899
Turbidity (NTU)	0	0	0	0				1.9

Depth to Water at End of Purge (ft)	8.21	Drawdown (ft)	0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1235

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.21 + 0.2 * 0 = 8.21

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 3/4/20 Sampled By: Jonmcmeleon

Jan-Mar Apr-Jun July-Sep Oct-Dec (Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
~65-70°F

General Wind Conditions
clam < 3kts.

Daily Tides: **Low** Time: 1217 Feet: 0.0 **High** Time: ~~3:3~~ 7:17 PM Feet: 3.3

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1204	calm	clear	clear	none	none/ sheen	—	Y
N-002	1214	↓	↓	↓	↓	↓	—	↓
N-003	1233	↓	↓	↓	↓	↓	—	↓
N-004	1140	↓	↓	↓	↓	↓	—	↓
L-001	1315	N/A	muddy/ cloudy	brown	↓	↓	ducks ~10	↓
L-002	1330	N/A	↓	↓	↓	↓	—	↓
L-003	1345	N/A	↓	↓	↓	↓	ducks Canada geese gulls ~10 total	↓
L-004	1251	N/A	↓	↓	↓	↓	ducks gulls Canada geese ~30 total	↓
L-005	1230	calm	↓	clear	↓	↓	→	↓
L-006	1241	N/A	↓	brown	↓	↓	←	↓

Appendix B

Laboratory Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

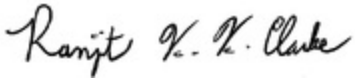
Lab Job Number:	425378
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425378
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/03/20

Sample ID	Lab ID	Collected	Matrix
LAMW-5S	425378-001	03/03/20 10:00	Water
SMBRP-11	425378-002	03/03/20 10:15	Water
MCWP-MW04S	425378-003	03/03/20 11:30	Water
MCWP-MW04D	425378-004	03/03/20 13:30	Water
MBCMW-9	425378-005	03/03/20 10:30	Water
SMBRP-7B	425378-006	03/03/20 09:45	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 425378 Location: Malibu - Quarterly/Semi-Annual Date Received: 03/03/20

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/03/20. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):
Low recoveries were observed for chloride in the MS/MSD for batch 242805; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):
Matrix spikes were not performed for this analysis due to insufficient sample volume. No analytical problems were encountered.

Total Notrogen, by Calculation (TOTAL NITROGEN):
No analytical problems were encountered.

Organic Nitrogen, by Calculation (ORGANIC NITROGEN):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Free Chlorine (SM 4500-CL-G):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

Soluble Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Odor (SM 2150B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Color by Visual Comparison (SM2120B):
No analytical problems were encountered.

Surfactants (MBAS) (SM5540C):
No analytical problems were encountered.

Total Coliform / E. coli by Quanti-Tray (SM 9223Bb):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425378	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 2	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
LAMW-5S	3-3-20	1000	W			X	X	X	X	X	X	X	X	
~~SMBRP-9~~						X	X	X	X	X	X	X	X	MC
SMBRP-11	3-3-20	1015	W			X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	MC
MCWP-MW04S	3-3-20	1130	W			X	X	X	X	X	X	X	X	
MCWP-MW04D	3-3-20	1330	W			X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC.	3-3-20 / 1353
[1] Received By:		Henry G	EA	3-3-20 / 13:53
[2] Relinquished By:		Henry G	EA	3-3-20 / 16:35
[2] Received By:		FERNANDO DUN	EA	3/3/20 1635
[3] Relinquished By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:	425378			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	2	of	2	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
~~MCWP-MW10~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
~~CGPE~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
MBCMW-9	3-3-20	1030	W			X	X	X	X	
SMBRP-7B	3-3-20	0945	W			X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-3-20 / 1353
[1] Received By:		Henri Gr.	Enthalpy	3-3-20 / 13:53
[2] Relinquished By:		Henri Gr	Enthalpy	3-3-20 / 16:35
[2] Received By:		FEDEX	ER	3/3/20 1635
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 03/03/20 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): Ambie

Sample Temp (°C), One from each cooler: #1: 6.1 #2: 2.5 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.0 #2: 3.9 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/3/20

ENTHALPY ANALYTICAL

Analysis Results for 425378

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425378
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/03/20

Sample ID: LAMW-5S **Lab ID: 425378-001** **Collected: 03/03/20 10:00**
Matrix: Water

425378-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.22**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**110**		mg/L	1.0	0.086	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrate	**4.3**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Sulfate	**69**		mg/L	1.0	0.077	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrate/Nitrite	**4.3**		mg/L	0.10		1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.46**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.38**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**6.95**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**19.10**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.082**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.050	5	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**7.9**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**820**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	**30**		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**6.9**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**510**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**30**		mg/L	0.6	0.6	1.1	242834	03/03/20	03/03/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**48**		mg/L	3.0		1	242847	03/04/20 08:59	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.035**	J	mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.8**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: SMBRP-11	Lab ID: 425378-002	Collected: 03/03/20 10:15
	Matrix: Water	

425378-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	1.5	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.63**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**270**		mg/L	10	0.86	10	242804	03/03/20 12:00	03/04/20 02:57	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Nitrogen, Nitrate	**3.5**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Sulfate	**420**		mg/L	10	0.77	10	242804	03/03/20 12:00	03/04/20 02:57	RKV
Nitrogen, Nitrate/Nitrite	**3.5**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.1**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.80**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**6.93**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**18.60**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**1.3**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.016**	J	mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**4.5**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**240**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**270**		mg/L	2.0	2.0	4	242834	03/03/20	03/03/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**6.9**		mg/L	3.0		1	242847	03/04/20 09:02	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**1.6**		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**5.6**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: MCWP-MW04S	Lab ID: 425378-003	Collected: 03/03/20 11:30
	Matrix: Water	

425378-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.7**		mg/L	0.25	0.15	5	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**700**		mg/L	20	1.7	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Nitrogen, Nitrate	ND		mg/L	2.0	0.24	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Sulfate	**2,800**		mg/L	50	3.9	50	243079	03/10/20 12:00	03/10/20 18:33	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.82**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.71**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**7.32**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**18.80**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.11**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.34**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**17**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**48**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	**50**		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**2.0**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,300**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.1**		mg/L	0.6	0.6	1.1	242885	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.5**		mg/L	3.0		1	242847	03/04/20 09:05	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.12**		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.82**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: MCWP-MW04D	Lab ID: 425378-004	Collected: 03/03/20 13:30
	Matrix: Water	

425378-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.6**	J	mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.83**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**250**		mg/L	10	0.86	10	242804	03/03/20 12:00	03/04/20 03:35	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Sulfate	**510**		mg/L	10	0.77	10	242804	03/03/20 12:00	03/04/20 03:35	RKV
Nitrogen, Nitrate/Nitrite	**1.4**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**7.18**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**19.00**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.074**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**2.3**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**3.0**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6	0.6	1.1	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242847	03/04/20 09:09	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.4**		mg/L			1	243063	03/10/20	03/10/20	SLL

Sample ID: MBCMW-9 **Lab ID: 425378-005** **Collected: 03/03/20 10:30**
Matrix: Water

425378-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.99**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.4**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**290**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,700**		mg/L	20		2	242953	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: SMBRP-7B	Lab ID: 425378-006	Collected: 03/03/20 09:45
	Matrix: Water	

425378-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Nitrogen, Nitrate/Nitrite	**1.2**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.099**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**360**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**990**		mg/L	20		2	242953	03/06/20	03/07/20	WWC

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC861465	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861465 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type: Lab Control Sample	**Lab ID:** QC861466	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861466 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.450	2.500	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC861467	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC861468	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861468 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	0	20	1

Type: Blank	**Lab ID:** QC861216	**Batch:** 242805
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC861216 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/04/20 09:00	03/04/20 10:30

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861217**	**Batch:**	**242805**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861217 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	98.40	100.0	mg/L	98%		90-110
Nitrogen, Nitrite	9.237	9.150	mg/L	101%		90-110
Nitrogen, Nitrate	8.652	9.030	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861218**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425402-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	171.0	86.56	100.0	mg/L	84%		80-120	1
Nitrogen, Nitrite	9.013	0	9.150	mg/L	99%		80-120	1
Nitrogen, Nitrate	13.12	4.285	9.030	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861219**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425402-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861219 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	171.2	86.56	100.0	mg/L	85%		80-120	0	20	1
Nitrogen, Nitrite	9.033	0	9.150	mg/L	99%		80-120	0	20	1
Nitrogen, Nitrate	13.17	4.285	9.030	mg/L	98%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861356**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425437-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861356 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	234.0	166.7	100.0	mg/L	67%	*	80-120	1
Nitrogen, Nitrite	8.844	0	9.150	mg/L	97%		80-120	1
Nitrogen, Nitrate	12.12	3.202	9.030	mg/L	99%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861357**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425437-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	235.3	166.7	100.0	mg/L	69%	*	80-120	1	20	1
Nitrogen, Nitrite	9.030	0	9.150	mg/L	99%		80-120	2	20	1
Nitrogen, Nitrate	12.29	3.202	9.030	mg/L	101%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861253**	**Batch:**	**242825**
Matrix (Source ID):	**Water (425378-001)**	**Method:**	**SM2130B**		

QC861253 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	6.850	6.900	NTU		1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861380**	**Batch:**	**242883**
Matrix (Source ID):	**Water (425423-001)**	**Method:**	**SM 4500-H+ B**		

QC861380 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	9.120	9.130	SU		0	20	1
Temperature	20.10	20.20	deg C		0	20	1

Type:	**Blank**	**Lab ID:**	**QC861258**	**Batch:**	**242829**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861258 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/03/20	03/04/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861259**	**Batch:**	**242829**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.866	2.000	mg/L	93%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC861260**	**Batch:**	**242829**
Matrix (Source ID):	**Water (425351-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861260 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.112	0.1474	1.000	mg/L	96%		75-125	1

Type:	**Sample Spike**	**Lab ID:**	**QC861261**	**Batch:**	**242829**
Matrix (Source ID):	**Water (425394-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861261 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.249	0.1195	1.000	mg/L	113%		75-125	1

Type:	**Blank**	**Lab ID:**	**QC861311**	**Batch:**	**242847**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861311 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/04/20 08:30	03/09/20 10:00

Type:	**Lab Control Sample**	**Lab ID:**	**QC861312**	**Batch:**	**242847**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861312 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	208.0	198.0	mg/L	105%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC861495**	**Batch:**	**242937**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/05/20 07:00	03/05/20 15:28

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861496	Batch: 242937
Matrix: Water	Method: SM5540C	

QC861496 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.094	1.000	mg/L	109%		90-110

Type: Matrix Spike	Lab ID: QC861497	Batch: 242937
Matrix (Source ID): Water (425378-004)	Method: SM5540C	

QC861497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.046	0	1.000	mg/L	105%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC861498	Batch: 242937
Matrix (Source ID): Water (425378-004)	Method: SM5540C	

QC861498 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.039	0	1.000	mg/L	104%		80-120	1	20	1

Type: Sample Duplicate	Lab ID: QC861257	Batch: 242828
Matrix (Source ID): Water (425378-001)	Method: SM2120B	

QC861257 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	30.00	30.00	ColorUnits		0	20	1

Type: Sample Duplicate	Lab ID: QC861256	Batch: 242827
Matrix (Source ID): Water (425378-001)	Method: SM 2150B	

QC861256 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861530	Batch: 242953
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861530 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	Lab ID: QC861531	Batch: 242953
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861531 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	93.00	95.00	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC861532	Batch: 242953
Matrix (Source ID): Water (425424-001)	Method: SM2540C	Prep Method: METHOD

QC861532 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,510	1536	mg/L		2	5	2

Type: Blank	Lab ID: QC861830	Batch: 243079
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861830 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.077	03/10/20 12:00	03/10/20 16:26

Type: Lab Control Sample	Lab ID: QC861831	Batch: 243079
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861831 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	49.48	50.00	mg/L	99%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC861832**	**Batch:**	**243079**
Matrix (Source ID):	**Drinking Water (425606-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861832 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	189.6	149.7	50.00	mg/L	80%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861833**	**Batch:**	**243079**
Matrix (Source ID):	**Drinking Water (425606-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861833 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	199.1	149.7	50.00	mg/L	99%		80-120	5	20	10

Type:	**Blank**	**Lab ID:**	**QC861384**	**Batch:**	**242886**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861384 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861385**	**Batch:**	**242886**
Matrix (Source ID):	**Water (425441-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861385 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	422.0	439.0	mg/L		4	5	10

Type:	**Blank**	**Lab ID:**	**QC861672**	**Batch:**	**243013**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC861675	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type: Blank	Lab ID: QC861302	Batch: 242844
Matrix: Water	Method: SM 4500-CL-G	

QC861302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/04/20 13:26	03/04/20 13:26

Type: Lab Control Sample	Lab ID: QC861303	Batch: 242844
Matrix: Water	Method: SM 4500-CL-G	

QC861303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9290	1.000	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC861304	Batch:	242844
Matrix (Source ID):	Water (425378-002)	Method:	SM 4500-CL-G		

QC861304 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

Type:	Blank	Lab ID:	QC861656	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861657	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861658	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.10	0	12.50	mg/L	105%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861659	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.00	0	12.50	mg/L	104%		90-110	1	20	2.5

Batch QC

Type: Blank	**Lab ID: QC861664**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

Type: Lab Control Sample	**Lab ID: QC861665**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861666**	**Batch: 243006**
Matrix (Source ID): Water (425462-004)	**Method: SM 5310B**	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	**Lab ID: QC861667**	**Batch: 243006**
Matrix (Source ID): Water (425462-004)	**Method: SM 5310B**	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	**Lab ID: QC861272**	**Batch: 242834**
Matrix: Water	**Method: SM2540D**	**Prep Method: METHOD**

QC861272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/03/20	03/03/20

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Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC861273**	**Batch:**	**242834**
Matrix (Source ID):	**Water (425361-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861273 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	52.00	52.40	mg/L		1	5	4

Type:	**Blank**	**Lab ID:**	**QC861382**	**Batch:**	**242885**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861382 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861383**	**Batch:**	**242885**
Matrix (Source ID):	**Water (425066-003)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861383 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	392.0	408.0	mg/L		4	5	20

Type:	**Blank**	**Lab ID:**	**QC861459**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/05/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861460**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.90	40.00	mg/L	87%		78-114

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861461**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861461 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.40	40.00	mg/L	94%		78-114	7	18

Type:	**Blank**	**Lab ID:**	**QC861210**	**Batch:**	**242804**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861210 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/03/20 12:00	03/03/20 14:34
Sulfate	ND		mg/L	1.0	0.077	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/03/20 12:00	03/03/20 14:34

Type:	**Lab Control Sample**	**Lab ID:**	**QC861211**	**Batch:**	**242804**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861211 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	99.31	100.0	mg/L	99%		90-110
Nitrogen, Nitrite	9.141	9.150	mg/L	100%		90-110
Nitrogen, Nitrate	8.846	9.030	mg/L	98%		90-110
Sulfate	47.75	50.00	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861212**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425369-010)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861212 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	126.3	24.02	100.0	mg/L	102%		80-120	1
Nitrogen, Nitrite	9.611	0	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	15.90	6.861	9.030	mg/L	100%		80-120	1
Sulfate	94.73	45.38	50.00	mg/L	99%		80-120	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861213**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425369-010)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861213 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	127.3	24.02	100.0	mg/L	103%		80-120	1	20	1
Nitrogen, Nitrite	9.748	0	9.150	mg/L	107%		80-120	1	20	1
Nitrogen, Nitrate	16.08	6.861	9.030	mg/L	102%		80-120	1	20	1
Sulfate	95.03	45.38	50.00	mg/L	99%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861214**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425379-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861214 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	117.8	16.85	100.0	mg/L	101%		80-120	1
Nitrogen, Nitrite	9.366	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	11.57	2.504	9.030	mg/L	100%		80-120	1
Sulfate	81.78	33.66	50.00	mg/L	96%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861215**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425379-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	117.5	16.85	100.0	mg/L	101%		80-120	0	20	1
Nitrogen, Nitrite	9.355	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	11.53	2.504	9.030	mg/L	100%		80-120	0	20	1
Sulfate	81.54	33.66	50.00	mg/L	96%		80-120	0	20	1

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

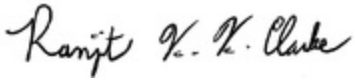
Lab Job Number:	425441
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425441
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	425441-001	03/04/20 10:15	Water
SMBRP-12	425441-002	03/04/20 11:30	Water
MCWP-MW07S	425441-003	03/04/20 13:15	Water
MCWP-MW09	425441-004	03/04/20 11:15	Water
SMBRP-13	425441-005	03/04/20 12:15	Water
MCWP-MW10	425441-006	03/04/20 13:00	Water
MCWP-MW	425441-007	03/04/20 10:10	Water

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 425491				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid				4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water									
		SW = Swab W = Water WP = Wipe O = Other									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
~~LAMW-5S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
SMBRP-9	3-4-20	1015	W			X	X	X	X	X	X	X	X	
~~SMBRP-11~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
SMBRP-12	3-4-20	1130	W			X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
MCWP-MW07S	3-4-20	1315	W			X	X	X	X	X	X	X	X	
~~MCWP-MW07D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
MCWP-MW09	3-4-20	1115	W			X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants, Inc.	3/4/20 / 1410
[1] Received By:		Henry G.	Enthalpy	3/4/20 / 1410
[2] Relinquished By:		Henry G.	EA	3/4/20 / 16:45
[2] Received By:		EA	EA / Lab tech	3/4/20 1642
[3] Relinquished By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record			Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 425491			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 2 of 3			2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other			**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
SMBRP-13 •	3-4-20	1215	W			X	X	X	X	
MCWP-MW10 •	3-4-20	1300	W			X	X	X	X	
~~CCPE~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
~~MBCMW-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~
~~SMBRP-7B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~MC~~

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants Inc.	3/4/20 / 1410
[1] Received By:		Henri G.	Enthalpy	3/4/20 1410
[2] Relinquished By:		Henri G.	EA	3/4/20 / 16:45
[2] Received By:		G Kim	EA	3/4/20 1645
[3] Relinquished By:				

4 of 27

28 1.9

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425441				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3	of	3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 300.0: NO3	TDS	Test Instructions / Comments
~~MCWP-MW05~~						X	X	MC
MCWP-MW06	3-4-20	1010	W			X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants Inc.	3/4/20 / 1410
1 Received By:		Henry Gu	Enthalpy	3/4/20 1410
2 Relinquished By:		Henry Gu	EA	3/4/20 / 16:45
2 Received By:		G Kim	EA	3/4/20 1645
3 Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/Semi-Annual

Date Received: 3/4/20

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 6.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/4/20

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 425441

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425441
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID: SMBRP-9 **Lab ID: 425441-001** **Collected: 03/04/20 10:15**
Matrix: Water

425441-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.4**	J	mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.48**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**150**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Nitrogen, Nitrate	**0.89**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Sulfate	**210**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:16	RKV
Nitrogen, Nitrate/Nitrite	**0.89**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.35**	J	mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.15**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**8.80**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.072**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.099**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**9.3**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

425441-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**110**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**440**		mg/L	5.0	5.0	10	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242848	03/04/20 18:20	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.39**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.2**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

Sample ID: SMBRP-12	Lab ID: 425441-002	Collected: 03/04/20 11:30
	Matrix: Water	

425441-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.54**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Sulfate	**150**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:35	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**6.2**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.50**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.13**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**5.80**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**5.7**		mg/L	0.50	0.050	5	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.5**		mg/L	0.10	0.050	5	243016	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**6.3**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**23**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**49**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

425441-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**110**		mg/L	2.0	2.0	4	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.9**		mg/L	3.0		1	242848	03/04/20 18:22	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.30**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**6.2**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

Sample ID: MCWP-MW07S	Lab ID: 425441-003	Collected: 03/04/20 13:15
	Matrix: Water	

425441-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.29**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Nitrogen, Nitrate	**4.1**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Sulfate	**240**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:54	RKV
Nitrogen, Nitrate/Nitrite	**4.1**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.40**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.16**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.63**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**6.00**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.24**		mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**3.9**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**38**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**250**		NTU	0.10	0.07	1	242929	03/05/20 09:30	03/05/20 09:30	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

425441-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**300**		mg/L	2.0	2.0	4	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242848	03/04/20 18:24	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.28**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.5**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

Sample ID: MCWP-MW09	Lab ID: 425441-004	Collected: 03/04/20 11:15
	Matrix: Water	

425441-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.64**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**440**		mg/L	10	0.86	10	242873	03/04/20 12:00	03/05/20 06:13	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Sulfate	**460**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 06:13	RKV
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.43**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.36**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.33**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**6.30**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.073**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.31**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**6.5**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

425441-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**31**		mg/L	1.0	1.0	2	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**12**		mg/L	3.0		1	242848	03/04/20 18:27	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**1.7**		mg/L	0.10	0.068	2.5	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.9**		mg/L			1	243063	03/10/20	03/10/20	SLL

Sample ID: SMBRP-13 **Lab ID: 425441-005** **Collected: 03/04/20 12:15**
Matrix: Water

425441-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.32**		mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.19**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,700**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

Sample ID: MCWP-MW10	Lab ID: 425441-006	Collected: 03/04/20 13:00
	Matrix: Water	

425441-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Nitrogen, Nitrate	**0.86**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Nitrogen, Nitrate/Nitrite	**0.86**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.73**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.71**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.025**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.087**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**460**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

Sample ID: MCWP-MW	Lab ID: 425441-007	Collected: 03/04/20 10:10
	Matrix: Water	

425441-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**3.0**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:57	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**890**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861533**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/06/20 10:10	03/06/20 15:49

Type:	**Lab Control Sample**	**Lab ID:**	**QC861534**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.017	1.000	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861535**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9690	0	1.000	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861536**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	0	1.000	mg/L	96%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861482**	**Batch:**	**242929**
Matrix (Source ID):	**Water (425441-003)**	**Method:**	**SM2130B**		

QC861482 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	243.0	245.0	NTU		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC861370	Batch: 242878
Matrix (Source ID): Drinking Water (425439-001)	Method: SM 2150B	

QC861370 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

Type: Sample Duplicate	Lab ID: QC861371	Batch: 242879
Matrix (Source ID): Drinking Water (425439-001)	Method: SM2120B	

QC861371 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	<5.000	0	ColorUnits			20	1

Type: Sample Duplicate	Lab ID: QC861416	Batch: 242900
Matrix (Source ID): Water (425441-001)	Method: SM 4500-H+ B	

QC861416 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.150	7.150	SU		0	20	1
Temperature	8.600	8.800	deg C		2	20	1

Type: Blank	Lab ID: QC861360	Batch: 242873
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861360 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/04/20 12:00	03/04/20 15:18
Sulfate	ND		mg/L	1.0	0.077	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/04/20 12:00	03/04/20 15:18

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861361**	**Batch:**	**242873**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861361 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	100.5	100.0	mg/L	101%		90-110
Nitrogen, Nitrite	9.411	9.150	mg/L	103%		90-110
Nitrogen, Nitrate	8.761	9.030	mg/L	97%		90-110
Sulfate	47.67	50.00	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861362**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861362 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	118.6	20.71	100.0	mg/L	98%		80-120	1
Nitrogen, Nitrite	9.349	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	13.65	5.023	9.030	mg/L	96%		80-120	1
Sulfate	92.37	46.35	50.00	mg/L	92%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861363**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861363 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	118.2	20.71	100.0	mg/L	97%		80-120	0	20	1
Nitrogen, Nitrite	9.309	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	13.63	5.023	9.030	mg/L	95%		80-120	0	20	1
Sulfate	92.05	46.35	50.00	mg/L	91%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861364**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861364 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	119.6	20.18	100.0	mg/L	99%		80-120	1
Nitrogen, Nitrite	10.36	0.9033	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	13.53	4.884	9.030	mg/L	96%		80-120	1
Sulfate	86.12	39.65	50.00	mg/L	93%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861365**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	120.4	20.18	100.0	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrite	10.44	0.9033	9.150	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	13.59	4.884	9.030	mg/L	96%		80-120	0	20	1
Sulfate	87.13	39.65	50.00	mg/L	95%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC861313**	**Batch:**	**242848**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861313 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/04/20 18:00	03/09/20 15:00

Type:	**Lab Control Sample**	**Lab ID:**	**QC861314**	**Batch:**	**242848**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861314 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	204.0	198.0	mg/L	103%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC861676**	**Batch:**	**243016**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861677**	**Batch:**	**243016**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC861678	**Batch:** 243016
Matrix (Source ID): Water (425499-003)	**Method:** SM 4500-P-B5-E	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID:** QC861679	**Batch:** 243016
Matrix (Source ID): Water (425499-003)	**Method:** SM 4500-P-B5-E	

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

Type: Blank	**Lab ID:** QC861384	**Batch:** 242886
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC861384 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type: Sample Duplicate	**Lab ID:** QC861385	**Batch:** 242886
Matrix (Source ID): Water (425441-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC861385 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	422.0	439.0	mg/L		4	5	10

Type: Blank	**Lab ID:** QC861672	**Batch:** 243013
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC861675	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type: Blank	Lab ID: QC861660	Batch: 243001
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861660 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	Lab ID: QC861661	Batch: 243001
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861661 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC861662**	**Batch:**	**243001**
Matrix (Source ID):	**Water (425442-010)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.70	1.510	12.50	mg/L	114%	*	90-110	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861663**	**Batch:**	**243001**
Matrix (Source ID):	**Water (425442-010)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.20	1.510	12.50	mg/L	110%		90-110	3	20	2.5

Type:	**Blank**	**Lab ID:**	**QC861469**	**Batch:**	**242924**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC861469 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861470**	**Batch:**	**242924**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC861470 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.440	2.500	mg/L	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC861471**	**Batch:**	**242924**
Matrix (Source ID):	**Water (425441-006)**	**Method:**	**SM 4500-NH3-G**		

QC861471 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.600	0.02530	2.500	mg/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC861472	Batch:	242924
Matrix (Source ID):	Water (425441-006)	Method:	SM 4500-NH3-G		

QC861472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.590	0.02530	2.500	mg/L	103%		80-120	0	20	1

Type:	Blank	Lab ID:	QC861656	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861657	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861658	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.10	0	12.50	mg/L	105%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861659	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.00	0	12.50	mg/L	104%		90-110	1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861386	Batch: 242888
Matrix: Water	Method: SM 4500-CL-G	

QC861386 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/05/20 12:02	03/05/20 12:02

Type: Lab Control Sample	Lab ID: QC861387	Batch: 242888
Matrix: Water	Method: SM 4500-CL-G	

QC861387 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9900	1.000	mg/L	99%		80-120

Type: Sample Duplicate	Lab ID: QC861388	Batch: 242888
Matrix (Source ID): Water (425441-001)	Method: SM 4500-CL-G	

QC861388 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

Type: Blank	Lab ID: QC861664	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861665	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC861666	**Batch:** 243006
Matrix (Source ID): Water (425462-004)	**Method:** SM 5310B	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	**Lab ID:** QC861667	**Batch:** 243006
Matrix (Source ID): Water (425462-004)	**Method:** SM 5310B	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	**Lab ID:** QC861583	**Batch:** 242971
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC861583 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	**Lab ID:** QC861584	**Batch:** 242971
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC861584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	95.00	95.00	mg/L	100%		90-110

Type: Sample Duplicate	**Lab ID:** QC861585	**Batch:** 242971
Matrix (Source ID): Water (425435-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC861585 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	566.0	572.0	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861459	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/05/20	03/06/20

Type: Lab Control Sample	Lab ID: QC861460	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.90	40.00	mg/L	87%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC861461	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861461 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.40	40.00	mg/L	94%		78-114	7	18

Type: Sample Duplicate	Lab ID: QC861369	Batch: 242877
Matrix (Source ID): Drinking Water (425439-001)	Method: SM2130B	

QC861369 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1060	0.1030	NTU		3	20	1

Type: Blank	Lab ID: QC861342	Batch: 242867
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861342 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/05/20	03/05/20

Type: Lab Control Sample	Lab ID: QC861343	Batch: 242867
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861343 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.893	2.000	mg/L	95%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC861344**	**Batch:**	**242867**
Matrix (Source ID):	**Water (425410-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861344 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.317	0.3502	1.000	mg/L	97%		75-125	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

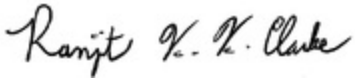
Lab Job Number:	425499
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425499
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/05/20

Sample ID	Lab ID	Collected	Matrix
MCWP-MW07D	425499-001	03/05/20 10:10	Water
MCWP-MW05	425499-002	03/05/20 12:35	Water
CCPE	425499-003	03/05/20 10:45	Water

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:	425499			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-9~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-11~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-12~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			MC
MCWP-MW07D	3-5-20	1010	W			X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-5-20 / 4:00 pm
[1] Received By:		Henry G.	Enthalpy	3/5/20 / 16:00
[2] Relinquished By:		Henry G.	EA	3/5/20 / 19.20
[2] Received By:		G Kim	EA	3/5/20 1920
[3] Relinquished By:				

3.0.20

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	2	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: EPA 300.0: NO3	Analysis Request: TDS	Test Instructions / Comments
	MCWP-MW05	3-5-20	1235				X	X	
	~~MCWP-MW06~~						X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC	3-5-20 / 4:00pm
[1] Received By:		Henri Cr	Enthalpy	3/5/20 / 16:00
[2] Relinquished By:		Henri Cr	EA	3/5/20 / 19:20
[2] Received By:		G. Kim	EA	3/5/20 1900
[3] Relinquished By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:		Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 3 of 3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		**Matrix:** A = Air DW = Drinking Water		**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water							
		SW = Swab W = Water WP = Wipe O = Other							

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	MC
~~MCWP-MW10~~						X	X	X	X	MC
CCPE	3-5-20	1045	W			X	X	X	X	
~~MBCMW-9~~						X	X	X	X	MC
~~SMBRP-7B~~						X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-5-20 / 4:00 pm
1 Received By:		Henry Gu	Enthalpy	3/5/20 / 16:00
2 Relinquished By:		Henry Gu	EA	3/5/20 / 19:20
2 Received By:		G. Kim	EA	3/5/20 1920
3 Relinquished By:				

3 of 20

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Malibu Quarterly/Semi-Annually

Date Received: 3/5/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/5/20

ENTHALPY ANALYTICAL

Analysis Results for 425499

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425499
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/05/20

Sample ID: MCWP-MW07D **Lab ID: 425499-001** **Collected: 03/05/20 10:10**
Matrix: Water

425499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	1.5	1.1	243022	03/09/20	03/09/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.57**		mg/L	0.050	0.030	1	242938	03/06/20	03/09/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**360**		mg/L	10	0.86	10	242979	03/05/20 10:00	03/06/20 11:49	RKV
Nitrogen, Nitrite	**0.35**		mg/L	0.10	0.02	1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Sulfate	**470**		mg/L	10	0.77	10	242979	03/05/20 10:00	03/06/20 11:49	RKV
Nitrogen, Nitrate/Nitrite	**0.35**		mg/L	0.10		1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.48**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242930	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242969	03/06/20 16:55	03/06/20 16:55	WWC
Method: SM 4500-H+ B										
pH	**7.33**	H	SU			1	243015	03/06/20 09:00	03/06/20 09:00	ECC
Temperature	**9.00**	H	deg C	1.00		1	243015	03/06/20 09:00	03/06/20 09:00	ECC
Method: SM 4500-NH3-G										
Ammonia-N	**0.15**		mg/L	0.10	0.010	1	242927	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**44**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, Total	**75**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, E. Coli	**22**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425499

425499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	ND		ColorUnits	5		1	242931	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM2130B										
Turbidity	**2.2**		NTU	0.10	0.07	1	242929	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	242972	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.4**		mg/L	0.6	0.6	1.1	242992	03/06/20	03/06/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242958	03/06/20 09:00	03/11/20 11:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.036**	J	mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.98**		mg/L			1	243121	03/11/20	03/11/20	DCD

Sample ID: MCWP-MW05 **Lab ID: 425499-002** **Collected: 03/05/20 12:35**
Matrix: Water

425499-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:33	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**730**		mg/L	20		2	242972	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425499

Sample ID: CCPE	Lab ID: 425499-003	Collected: 03/05/20 10:45
	Matrix: Water	

425499-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Nitrogen, Nitrate/Nitrite	**1.0**		mg/L	0.10		1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242927	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, E. Coli	**2.0**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	242972	03/06/20	03/07/20	WWC

> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861533**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/06/20 10:10	03/06/20 15:49

Type:	**Lab Control Sample**	**Lab ID:**	**QC861534**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.017	1.000	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861535**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9690	0	1.000	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861536**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	0	1.000	mg/L	96%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861482**	**Batch:**	**242929**
Matrix (Source ID):	**Water (425441-003)**	**Method:**	**SM2130B**		

QC861482 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	243.0	245.0	NTU		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861586	Batch: 242972
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861586 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	Lab ID: QC861587	Batch: 242972
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861587 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	95.00	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC861588	Batch: 242972
Matrix (Source ID): Water (425499-003)	Method: SM2540C	Prep Method: METHOD

QC861588 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,376	1388	mg/L		1	5	2

Type: Blank	Lab ID: QC861537	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861537 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	Lab ID: QC861538	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861538 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC861539	Batch:	242955
Matrix (Source ID):	Water (425499-003)	Method:	EPA 351.2	Prep Method:	METHOD

QC861539 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.90	0.2690	12.50	mg/L	109%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861540	Batch:	242955
Matrix (Source ID):	Water (425499-003)	Method:	EPA 351.2	Prep Method:	METHOD

QC861540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.50	0.2690	12.50	mg/L	114%	*	90-110	4	20	2.5

Type:	Blank	Lab ID:	QC861636	Batch:	242992
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC861636 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/06/20	03/06/20

Type:	Sample Duplicate	Lab ID:	QC861637	Batch:	242992
Matrix (Source ID):	Water (425066-005)	Method:	SM2540D	Prep Method:	METHOD

QC861637 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	426.0	436.0	mg/L		2	5	20

Type:	Sample Duplicate	Lab ID:	QC861483	Batch:	242930
Matrix (Source ID):	Water (425499-001)	Method:	SM 2150B		

QC861483 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC861548**	**Batch: 242958**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC861548 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/06/20 10:37	03/11/20 11:00

Type: Lab Control Sample	**Lab ID: QC861549**	**Batch: 242958**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC861549 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	202.0	198.0	mg/L	102%		84.6-115.4

Type: Blank	**Lab ID: QC861676**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type: Lab Control Sample	**Lab ID: QC861677**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861678**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC861679	Batch: 243016
Matrix (Source ID): Water (425499-003)	Method: SM 4500-P-B5-E	

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

Type: Blank	Lab ID: QC861672	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC861675	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861499	Batch: 242938
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861499 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/06/20	03/06/20

Type: Lab Control Sample	Lab ID: QC861500	Batch: 242938
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861500 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.837	2.000	mg/L	92%		85-115

Type: Sample Spike	Lab ID: QC861501	Batch: 242938
Matrix (Source ID): Water (425463-001)	Method: EPA 200.7	Prep Method: EPA 200.7

QC861501 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6669	0	1.000	mg/L	67%	*	75-125	1

Type: Sample Spike	Lab ID: QC861502	Batch: 242938
Matrix (Source ID): Water (425496-007)	Method: EPA 200.7	Prep Method: EPA 200.7

QC861502 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.293	0.2923	1.000	mg/L	100%		75-125	1

Type: Blank	Lab ID: QC861664	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861665	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

Type: Matrix Spike	Lab ID: QC861666	Batch: 243006
Matrix (Source ID): Water (425462-004)	Method: SM 5310B	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	Lab ID: QC861667	Batch: 243006
Matrix (Source ID): Water (425462-004)	Method: SM 5310B	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	Lab ID: QC861698	Batch: 243022
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861698 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861699	Batch: 243022
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861699 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	37.00	40.00	mg/L	93%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861700**	**Batch:**	**243022**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861700 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.30	40.00	mg/L	98%		78-114	6	18

Type:	**Sample Duplicate**	**Lab ID:**	**QC861950**	**Batch:**	**243015**
Matrix (Source ID):	**Water (425470-001)**	**Method:**	**SM 4500-H+ B**		

QC861950 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.200	7.200	SU		0	20	1
Temperature	9.900	9.900	deg C		0	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861484**	**Batch:**	**242931**
Matrix (Source ID):	**Water (425499-001)**	**Method:**	**SM2120B**		

QC861484 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	<5.000	0	ColorUnits			20	1

Type:	**Blank**	**Lab ID:**	**QC861607**	**Batch:**	**242979**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861607 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/05/20 10:00	03/06/20 03:55
Sulfate	ND		mg/L	1.0	0.077	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/05/20 10:00	03/06/20 03:55

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861608**	**Batch:**	**242979**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861608 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	99.51	100.0	mg/L	100%		90-110
Nitrogen, Nitrite	9.426	9.150	mg/L	103%		90-110
Nitrogen, Nitrate	8.607	9.030	mg/L	95%		90-110
Sulfate	46.27	50.00	mg/L	93%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861609**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425482-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	175.4	92.36	100.0	mg/L	83%		80-120	1
Nitrogen, Nitrite	9.306	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	9.472	0.7111	9.030	mg/L	97%		80-120	1
Sulfate	219.4	178.9	50.00	mg/L	81%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861610**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425482-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861610 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	175.9	92.36	100.0	mg/L	84%		80-120	0	20	1
Nitrogen, Nitrite	9.346	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	9.493	0.7111	9.030	mg/L	97%		80-120	0	20	1
Sulfate	216.5	178.9	50.00	mg/L	75%	*	80-120	1	20	10

Type:	**Matrix Spike**	**Lab ID:**	**QC861611**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425483-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861611 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	176.5	93.82	100.0	mg/L	83%		80-120	1
Nitrogen, Nitrite	9.167	0	9.150	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.401	0.5854	9.030	mg/L	98%		80-120	1
Sulfate	230.9	189.6	50.00	mg/L	83%		80-120	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861612**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425483-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861612 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	177.5	93.82	100.0	mg/L	84%		80-120	1	20	1
Nitrogen, Nitrite	9.232	0	9.150	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	9.492	0.5854	9.030	mg/L	99%		80-120	1	20	1
Sulfate	224.4	189.6	50.00	mg/L	69%	*	80-120	3	20	10

Type:	**Blank**	**Lab ID:**	**QC861478**	**Batch:**	**242927**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC861478 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861479**	**Batch:**	**242927**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC861479 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.440	2.500	mg/L	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC861480**	**Batch:**	**242927**
Matrix (Source ID):	**Water (425476-001)**	**Method:**	**SM 4500-NH3-G**		

QC861480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.440	0	2.500	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861481**	**Batch:**	**242927**
Matrix (Source ID):	**Water (425476-001)**	**Method:**	**SM 4500-NH3-G**		

QC861481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.450	0	2.500	mg/L	98%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC861577**	**Batch: 242969**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861577 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/06/20 16:55	03/06/20 16:55

Type: Lab Control Sample	**Lab ID: QC861578**	**Batch: 242969**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861578 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.008	1.000	mg/L	101%		80-120

Type: Sample Duplicate	**Lab ID: QC861579**	**Batch: 242969**
Matrix (Source ID): Water (425499-001)	**Method: SM 4500-CL-G**	

QC861579 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

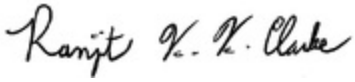
Lab Job Number:	425442
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik		Lab Job #:	425442
Rincon Consultants - Ventura		Location:	Malibu - Quarterly/Semi-Annual
180 North Ashwood Ave.		Date Received:	03/04/20
Ventura, CA 93003			

Sample ID	Lab ID	Collected	Matrix
N-001	425442-001	03/04/20 12:04	Water
N-002	425442-002	03/04/20 12:14	Water
N-003	425442-003	03/04/20 12:33	Water
N-004	425442-004	03/04/20 11:40	Water
L-001	425442-005	03/04/20 13:15	Water
L-002	425442-006	03/04/20 13:30	Water
L-003	425442-007	03/04/20 13:45	Water
L-004	425442-008	03/04/20 12:51	Water
L-005	425442-009	03/04/20 12:30	Water
L-006	425442-010	03/04/20 12:41	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425442	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Jaime Mcelain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen	Test Instructions / Comments
N-001	3/4/20	1204	Water	3		X	X	X	
N-002	3/4/20	1214				X	X	X	
N-003	3/4/20	1233				X	X	X	
N-004	3/4/20	1140				X	X	X	
L-001	3/4/20	13:15				X	X	X	
L-002	3/4/20	13:30				X	X	X	
L-003	3/4/20	13:45				X	X	X	
L-004	3/4/20	1251				X	X	X	
L-005	3/4/20	1230				X	X	X	
L-006	3/4/20	1241				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jaime Mcelain	Rincon/Biologist	3/4/20 / 1410
1 Received By:		Herms Gr.	Enthalpy	3/4/20 / 14:10
2 Relinquished By:		Herms Gr	EA	3/4/20 / 16:45
2 Received By:		Kim	EA	3/4/20 0645
3 Relinquished By:				

17 51

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Ventura Project: Malibu - Quarterly/Semi-Annual

Date Received: 3/4/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/4/20

ENTHALPY ANALYTICAL

Analysis Results for 425442

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425442
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID: N-001 **Lab ID: 425442-001** **Collected: 03/04/20 12:04**
Matrix: Water

425442-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 20:39	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 15:55	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 20:39	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**21**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: N-002	Lab ID: 425442-002	Collected: 03/04/20 12:14
	Matrix: Water	

425442-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 20:58	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 16:52	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 20:58	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.25**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**170**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**2.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: N-003	Lab ID: 425442-003	Collected: 03/04/20 12:33
	Matrix: Water	

425442-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 21:17	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:11	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 21:17	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.48**		mg/L	0.40	0.052	1	243001	03/11/20	03/11/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.16**		mg/L			1	243039	03/11/20	03/11/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.090**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**8.5**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**260**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**47**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: N-004	Lab ID: 425442-004	Collected: 03/04/20 11:40
	Matrix: Water	

425442-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 21:36	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:29	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 21:36	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**150**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-001	Lab ID: 425442-005	Collected: 03/04/20 13:15
	Matrix: Water	

425442-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 21:55	RKV
Nitrogen, Nitrate	**0.38**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:48	RKV
Nitrogen, Nitrate/Nitrite	**0.38**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 21:55	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.61**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.61**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.35**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**390**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-002	Lab ID: 425442-006	Collected: 03/04/20 13:30
	Matrix: Water	

425442-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:14	RKV
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:07	RKV
Nitrogen, Nitrate/Nitrite	**1.3**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:14	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.55**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**66**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**50**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-003	Lab ID: 425442-007	Collected: 03/04/20 13:45
	Matrix: Water	

425442-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:33	RKV
Nitrogen, Nitrate	**0.75**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:26	RKV
Nitrogen, Nitrate/Nitrite	**0.75**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:33	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**9.4**		mg/L	4.0	0.52	10	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**9.3**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**5.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**6.3**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-004	Lab ID: 425442-008	Collected: 03/04/20 12:51
	Matrix: Water	

425442-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:52	RKV
Nitrogen, Nitrate	**0.95**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:45	RKV
Nitrogen, Nitrate/Nitrite	**0.95**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:52	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.46**		mg/L	0.40	0.052	1	243031	03/09/20	03/10/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.46**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.52**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**190**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**160**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-005	Lab ID: 425442-009	Collected: 03/04/20 12:30
	Matrix: Water	

425442-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.5	0.45	25	242978	03/05/20 10:00	03/06/20 09:55	RKV
Nitrogen, Nitrate	**0.57**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 19:04	RKV
Nitrogen, Nitrate/Nitrite	**0.57**		mg/L	0.10		25	242978	03/05/20 10:00	03/06/20 09:55	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.26**	J	mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.20**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.057**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**200**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**42**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-006	Lab ID: 425442-010	Collected: 03/04/20 12:41
	Matrix: Water	

425442-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 23:30	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 19:23	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 23:30	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.5**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.98**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.52**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.50**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**43**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**6.3**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC861465	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861465 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type: Lab Control Sample	**Lab ID:** QC861466	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861466 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.450	2.500	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC861467	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC861468	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861468 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	0	20	1

Type: Blank	**Lab ID:** QC861601	**Batch:** 242978
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC861601 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/05/20 10:00	03/05/20 12:45
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/05/20 10:00	03/05/20 12:45
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/05/20 10:00	03/05/20 12:45

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861602**	**Batch:**	**242978**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861602 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.371	9.150	mg/L	102%		90-110
Nitrogen, Nitrate	8.678	9.030	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861603**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861603 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.223	0	9.150	mg/L	101%		80-120	1
Nitrogen, Nitrate	11.60	2.804	9.030	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861604**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861604 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.113	0	9.150	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	11.52	2.804	9.030	mg/L	96%		80-120	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861605**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.207	0	9.150	mg/L	101%		80-120	1
Nitrogen, Nitrate	11.63	2.850	9.030	mg/L	97%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861606**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.169	0	9.150	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrate	11.59	2.850	9.030	mg/L	97%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC861733**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861733 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861734**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861734 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.470	2.500	mg/L	99%		90-110

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861735**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861735 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Nitrogen, Total Kjeldahl	2.450	2.500	mg/L	98%		90-110	1	20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861736**	**Batch:**	**243031**
Matrix (Source ID):	**Water (425373-044)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861736 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	0.6250	0.6600	mg/L		5	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC861737	Batch: 243031
Matrix (Source ID): Water (425373-044)	Method: EPA 351.2	Prep Method: METHOD

QC861737 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.40	0.6600	12.50	mg/L	102%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC861738	Batch: 243031
Matrix (Source ID): Water (425373-044)	Method: EPA 351.2	Prep Method: METHOD

QC861738 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.90	0.6600	12.50	mg/L	98%		90-110	4	20	2.5

Type: Blank	Lab ID: QC861672	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC861675	Batch:	243013
Matrix (Source ID):	Water (425499-001)	Method:	SM 4500-P-B5-E		

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type:	Blank	Lab ID:	QC861660	Batch:	243001
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861660 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861661	Batch:	243001
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861661 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861662	Batch:	243001
Matrix (Source ID):	Water (425442-010)	Method:	EPA 351.2	Prep Method:	METHOD

QC861662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.70	1.510	12.50	mg/L	114%	*	90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861663	Batch:	243001
Matrix (Source ID):	Water (425442-010)	Method:	EPA 351.2	Prep Method:	METHOD

QC861663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.20	1.510	12.50	mg/L	110%		90-110	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861537	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861537 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	Lab ID: QC861538	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861538 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type: Matrix Spike	Lab ID: QC861539	Batch: 242955
Matrix (Source ID): Water (425499-003)	Method: EPA 351.2	Prep Method: METHOD

QC861539 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.90	0.2690	12.50	mg/L	109%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC861540	Batch: 242955
Matrix (Source ID): Water (425499-003)	Method: EPA 351.2	Prep Method: METHOD

QC861540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.50	0.2690	12.50	mg/L	114%	*	90-110	4	20	2.5

Type: Blank	Lab ID: QC861676	Batch: 243016
Matrix: Water	Method: SM 4500-P-B5-E	

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC861677**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861678**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID: QC861679**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

* Value is outside QC limits

ND Not Detected

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

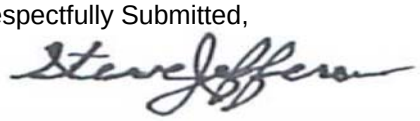
Attention: Ric Vardel
Report Date: 16-Jan-20 22:29
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0004

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

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

Sampled by: Joseph Clark

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/1/2020	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	1/1/20	0957
Received by: EC	Cuevas (PCL)	1/1/20	1145
Relinquished by: EC	Cuevas	1/1/20	1300
Received by:			
Relinquished by:			
Received in lab by:			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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1824 1st Street
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pat-chem.com

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

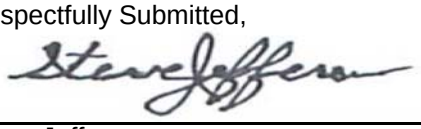
Attention: Ric Vardel
Report Date: 16-Jan-20 22:39
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0020

IPC, Inc.
(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/02/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0021

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/02/20	1150	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
"	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
"	01/01/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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

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

Sample Received Checklist

Temperature upon receipt: 4°

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

Attention: Ric Vardel
Report Date: 20-Jan-20 16:00
Subject: (MCC) Weekly INF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0019

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/01/20	0000	1	TSS	Composite	AQ	1L P	4°C	
"	"	"	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

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

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

Sample Received Checklist

Temperature upon receipt: 4 °c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - 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

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

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

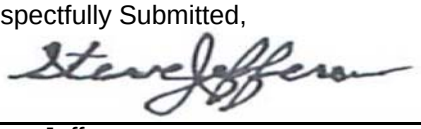
Attention: Ric Vardel
Report Date: 16-Jan-20 22:46
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0053

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

Project : (MCC) Daily EFF

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	1/3/20	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53 / 10.2°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/3/20	12:20
Received by:	Armando Ramos (PCL)	1/3/20	12:20
Relinquished by:	Armando Ramos (PCL)	1/3/20	14:25
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	1/3/20	1425

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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1824 1st Street
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(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0059

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

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

RECEIVED
JAN 04 2020
By AW

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A00062

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/5/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JAN 05 2020
By AW

Geotracker EDD:
Logcode: IPCH
Global ID: WDR100000359

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0090

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

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

RECEIVED
JAN 06 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0106

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/07/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~—~~ \	\	\	1	Total Coliform, Fecal Coliform	Grab	AQ	~~Coli~~	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 07 2020
By

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

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 - $CuSO_4$

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 23:18
Subject: (MCC) Monthly EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0107

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

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

RECEIVED
JAN 07 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
~~Comp~~

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

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

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A01446

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C. D.

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/07/20	0000	1	TSS	Composite	AQ	1L P	4°C	
"	"	"	1	BOD	Composite	AQ	1L P	4°C	

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By AW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0141

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
	1	1							

RECEIVED
JAN 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

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

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

PAT-CHEM
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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0145

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/20	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	01/07/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JAN 08 2020
By AW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Carlos	Carlos Alvarez (IPC)	01/08/20	1230
Received by	EC C. Carlos	AM	1/8/20	1230
Relinquished by	EC C. Carlos	AM	1/8/20	1430
Received by				
Relinquished by				
Received in lab by	Alex Walker	Alex Walker (PCN)	1-8-20	1542

Sample Received Checklist

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

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2040171

IPC, Inc.
(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/09/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI-
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (IPC)	01/09/20	
Received by	EC	Carlos	1/9/20	1100
Relinquished by	EC	Carlos	1/9/20	1325
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/9/2020	1315

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0185

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

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

RECEIVED
JAN 10 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4°c

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 20-Jan-20 15:45
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0201

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

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/11/20	10:35
Received by		Jordan Corkery	1/11/20	12:32
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	1/11/20	14:10

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0207

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/12/2020	09:36	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 12 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 20-Jan-20 15:49
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0216

IPC, Inc.

Customer: 9297 Research Drive

Project : (MCC) Daily EFF

Address: Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/13/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 13 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/13/20	11:50
Received by: EB	[illegible] FM	1/13/20	1100
Relinquished by: EB	[illegible]	1/13/20	Dec
Received by:			
Relinquished by:			
Received in lab by: Alex Walker	Alex Walker Jr	1-13-20	1315

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

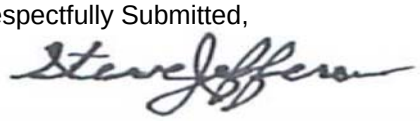
Attention: Ric Vardel
Report Date: 22-Jan-20 15:31
Subject: (MCC) Weekly INF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0291

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	1/14/20	0:00	1	TSS	~~Grab~~ Comp.	AQ	1L P	4°C	
	"	"	1	BOD	~~Grab~~ Comp.	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 15 2020
By

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

Sample Received Checklist 4°C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
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(818) 639-5300 ph
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pat-chem.com

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0254

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

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

RECEIVED
JAN 14 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

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

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

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

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

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

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

PAT-CHEM LABORATORIES
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1824 1st Street
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(818) 639-5300 ph
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pat-chem.com

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

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

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

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

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

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Notes and Definitions

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

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

Respectfully Submitted,

Steve Jefferson 4/9/2020
Laboratory Director

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

January 26, 2020 Ceres ID: 13292

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

The following report contains the results for the one aqueous sample received on January 17, 2020. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 20A0265.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
13292-001	IPC [MCC] EFF-Quarterly 20A0265-01	1/17/2020	1/14/2020	11:50

Section II: Data Summary

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

EPA Method 1613B

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

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.48	1.49	5.00		13C-2378-TCDD	89.8	31-137	
					CRS			
					37Cl4-2378-TCDD	81.3	35-197	

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

Analyst: JMH **Reviewed by: BS**

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

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2124	**Date Extracted:** 1/23/2020
	Matrix: Aqueous	**ZB-5MS Analysis:** 1/24/2020
Project ID: 20A0265	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.82	7.3-14.6	13C-2378-TCDD	87.5	25-141
			CRS		
			37Cl4-2378-TCDD	84.1	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH **Reviewed by: BS**

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

EPA Method 1613B

Client Sample ID: IPC [MCC] EFF-Quarterly 20A0265-01		
Project ID: 20A0265	**Ceres Sample ID:** 13292-001	**Date Received:** 1/17/2020
	QC Batch #: 2124	**Date Extracted:** 1/23/2020
Date Collected: 1/14/2020	**Matrix:** Aqueous	**ZB-5MS Analysis:** 1/24/2020
Time Collected: 11:50	**Sample Size:** 0.953 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.48	1.49	5.25		13C-2378-TCDD	83.7	31-137	
					CRS			
					37Cl4-2378-TCDD	85.3	42-164	

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

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

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

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

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: 322001047
Customer ID: PTCM42
Customer PO:
Project ID:

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

Phone: (805) 532-0012
Fax:
Received: 01/16/2020
Analyzed: 01/25/2020

Proj: 20A0265

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)		
20A0265-01 322001047-0001	1/16/2020 03:20 PM	30	1288	0.2159	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.73
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.73

Collection Date/Time: *01/14/2020 11:50 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: 01/25/2020 13:16:59

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

OrderID: 322001047

SUBCONTRACT ORDER

Pat-Chem Laboratories #3220010 47

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

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

8.1°c (WE)

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

NORTH COAST LABORATORIES LTD.

January 30, 2020

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

Attn: Stephen Berensten

RE: 20A0265

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

SAMPLE IDENTIFICATION

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

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 30-Jan-2020
WorkOrder: 2001270

CASE NARRATIVE

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date: 30-Jan-2020
WorkOrder: 2001270

ANALYTICAL REPORT

Client Sample ID: 20A0265-01
Lab ID: 2001270-01A

Received: 1/20/2020
Collected: 1/14/2020 11:50

Test Name: EPA 549.2 **Reference:** EPA 549.2

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat (dissolved)	ND		0.40	µg/L	1.0	1/21/2020	1/27/2020

Client Sample ID: 20A0265-01
Lab ID: 2001270-01B

Received: 1/20/2020
Collected: 1/14/2020 11:50

Test Name: Endothall **Reference:** EPA 548.1

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND		45	µg/L	1.0	1/21/2020	1/23/2020
Surrogate: 2,3-D	110		78-117	% Rec	1.0	1/21/2020	1/23/2020

Client Sample ID: 20A0265-01
Lab ID: 2001270-01C

Received: 1/20/2020
Collected: 1/14/2020 11:50

Test Name: Glyphosate **Reference:** EPA 547

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		5.0	µg/L	1.0	1/28/2020	1/28/2020

North Coast Laboratories, Ltd.

Date: 1/30/2020

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

QC SUMMARY REPORT

Method Blank

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

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

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

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

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

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 1/30/2020

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

QC SUMMARY REPORT

Laboratory Control Spike

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

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

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

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

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

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

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

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

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

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.812	0.40	2.00	0	90.6%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

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

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.884	0.40	2.00	0	94.2%	70	130	1.81	3.90%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

SUBCONTRACT ORDER

2081270. 2081270

Pat-Chem Laboratories

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

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

✓ Res. Cl ok.

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

March 10, 2020

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

Lab ID : SP 2000769
Customer : 2-12670

Laboratory Report

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

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

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
20A0265-01	01/14/2020	01/16/2020	SP 2000769-001	DW

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

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

Inorganic - Metals QC

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

Radio QC

900.0	02/04/2020:201834 All analysis quality controls are within established criteria.
	01/21/2020:200735 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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CA ELAP Certification No. 2810

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

Radio QC

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

Inorganic - Wet Chemistry QC

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

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

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2020-03-10

March 10, 2020

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

Description : 20A0265-01
Project : 20A0265

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

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

Sample Result - Inorganic

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

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

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CA ELAP Certification No. 2810

March 10, 2020

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

Description : 20A0265-01
Project : 20A0265

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

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

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	10.0 ± 1.91	1.18	pCi/L	15/5	900.0	01/21/20-10:25 2P2000735	900.0	02/04/20-14:17 2A2001834
Gross Beta	12.1 ± 1.43	1.03	pCi/L	50	900.0	01/21/20-10:25 2P2000735	900.0	02/04/20-14:17 2A2001834
Strontium 90	0.000 ± 0.243	0.546	pCi/L	8	905.0	01/26/20-13:30 2P2000913	905.0	02/09/20-14:20 2A2002281
Total Alpha Radium (226)	0.036 ± 0.070	0.362	pCi/L	3	903.0	01/21/20-17:40 2P2000762	903.0	01/31/20-13:40 2A2001614
Tritium	61.4 ± 266	434	pCi/L	20000	906.0	01/22/20-09:45 2P2000776	906.0	01/23/20-08:55 2A2001553
Ra 228	0.276 ± 0.786	0.400	pCi/L	2	Ra - 05	02/05/20-18:30 2P2001187	Ra - 05	02/09/20-13:30 2A2002187

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

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

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

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

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CA ELAP Certification No. 2810

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

Quality Control - Radio

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

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

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FAX: (530)343-3807
CA ELAP Certification No. 2670

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

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

March 10, 2020 Lab ID : SP 2000769

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

March 10, 2020 Lab ID : SP 2000769

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8		MS	ug/L	5.000	124 %	75-125	
		(SP 2002730-001)	MSD	ug/L	5.000	129 %	75-125	435
			MSRPD	ug/L	5.000	1.3%	≤20	
	200.8	03/03/20:203483AC	CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		-0.002	0.2	
			CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		-0.001	0.2	
Wet Chem								
Perchlorate	314.0	01/22/20:200861MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	100 %	85-115	
			MS	ug/L	25.00	88.1 %	80-120	
		(SP 2000706-001)	MSD	ug/L	25.00	90.0 %	80-120	
			MSRPD	ug/L	25.00	2.0%	≤15	
		(SP 2000706-001)	Dup	ug/L		0.40	4	
	314.0	01/23/20:201234MCA	CCB	ppb		0.48	2.0	
			CCV	ppb	10.00	97.8 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	97.4 %	85-115	

Definition

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

Explanation

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

20A0265

2007169

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0265

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/14/20	1150	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JAN 14 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0265

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/14/20	1150	5	Radium-226 & 228 (Sub-Out) Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	
			1	Strontium-90 (Sub-Out)	Grab	AQ	1L P	4°C	
			1	Tritium (Sub-Out)	Grab	AQ	VOA	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L P	4°C	

RECEIVED
JAN 14 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

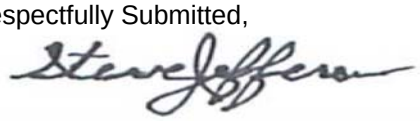
Attention: Ric Vardel
Report Date: 20-Jan-20 15:53
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0285

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

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

RECEIVED
JAN 15 2020
By GK

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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-Jan-20 15:28
Subject: (MCC) Weekly EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0290

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/15/20	11:30	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	1/19/20	0:00	1	BOD	~~Grab~~ Comp.	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 15 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0314

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/16/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 8.4 °C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCH									
Global ID: WDR100000359									

RECEIVED
JAN 16 2020
By Alex Walker Jr.

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

Sample Received Checklist

Temperature upon receipt:	8.4 °C	
# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 20-Jan-20 15:57
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0336

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

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

RECEIVED
JAN 17 2020
By ALEX WALKER JR

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0361

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

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

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0366

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH (Field) Lab
EFF	1/19/2020	09:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.05 / 20.3 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 19 2020
By ALEX WALKER JR

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF-CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0380

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

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

RECEIVED
JAN 20 2020
By ALEX WALKER Jr

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 02-Feb-20 12:15
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20AC4102

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/21/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/17.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracke: EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 21 2020
By ALEX WALKER JR

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	01/21/20	1230
Received by			1/21/20	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by		ALEX WALKER JR	1-21-20	1349

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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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

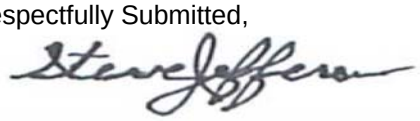
Attention: Ric Vardel
Report Date: 02-Feb-20 12:03
Subject: (MCC) Weekly INF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20170452

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	01/21/20	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	7.1 / 16.1
1	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	01/22/20	11:20
Received by	Cindy Martinez (PCL)	1/22/20	11:20
Relinquished by	Cindy Martinez (PCL)	1/22/2020	13:30
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	1/22/2020	1330

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 (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 will 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 (collectively, these Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the samples materials provided to client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is otherwise available to the public or the public domain or Client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses for protecting its own confidential data and shall not be responsible for unauthorized disclosure of information whose confidential nature was clearly and PCL records and information generated in connection with the evaluation and benefit of client's data or samples shall be for third party beneficiary use. PCL results, data or information, including 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 (at) and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and calculated expenses, including, but not limited to, all court fees, litigation, Consultant and experts arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons, 2. loss of, damage to, use of, or loss of value of property and/or 3. Environmental impairment of the soil. This responsibility does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity does specifically apply to losses, claims (billable), actions of every kind and character arising out of or in connection with the negligent acts or omissions of individuals, any unauthorized 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. If PCL and the client indemnified Persons. To the extent necessary to any 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, arbitration, post-judgment interest), or any other expenses or costs incurred by client or any other party in any legal suit against or involving PCL or any indemnified person in connection with this agreement or services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL 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 in particular matter of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, 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 date of acceptance of the order, the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services completed is required for all new clients or service clients of payment and/or up to account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 (calendar) days from date of invoice. Failure to remit payment in full of all its applicable way 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 and collection by an attorney, the client shall pay reasonable costs and attorney's fees so spent. Fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative. Verbal agreement or fees for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are obtained on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less. Samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2 hours, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) is hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0451

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

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

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarado (PCL)	01/22/20	11:20
Received by	Cindy Martinez	1/22/2020	11:20
Relinquished by	Cindy Martinez (PCL)	1/22/2020	13:30
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	1/22/2020	1330

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following 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 the acceptance by the client of PCL's offer to do business with the client under the terms and conditions and is an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methods shown which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies 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 manner 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

[illegible]

10. Hold Harmless

[illegible]

11. Hazardous Substances

[illegible]

12. Prices/Payments

[illegible]

13. Agreement Modification

[illegible]

14. No Third Party Beneficiaries: No Right of Reliance

[illegible]

15. Rush Analysis

[illegible]

16. Holding Times

[illegible] guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0453

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/22/20	1050	1	TSS	Grab	AQ	1L P	4°C	~~7.3~~
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	7.5 / 19.6
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	01/21/20	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/22/20	11:20
Received by		Cindy (PCL)	1/22/20	11:20
Relinquished by		Cindy Martinez (PCL)	1/22/2020	13:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/22/2020	1330

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LUFT), 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 provided by PCL shall be held in confidence (unless such information is generally available to the public or is 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 be responsible for unauthorized disclosure of confidential information unless such disclosure was caused by PCL's gross negligence or willful misconduct. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall have no third party beneficiaries of its documents, data or information. Client will not disclose to any third party any information pertaining technical information, software, processes or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and expenses (including, but not limited to, all court fees (litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, injury, sickness or death of persons or loss of, damage to, loss of, or loss of use of property and/or 3. Environmental loss of every kind, of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to cover, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any unidentified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which 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 third party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement except if client is the prevailing party.

11. Hazardous Substances

From time to time, to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, policies or regulation (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asphalt 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 such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in full upon when analysis is completed is required for all services unless credit application and 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 THIRTY (NINETY) days from date of invoice. 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 balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay to immediate costs and attorney's fees or award. Fees associated with such collection procedure or efforts.

13. Agreement Modification

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

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall not be responsible to Client 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 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less. Samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2040479

IPC, Inc.
~~(MCC) Daily EFF~~

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
~~EFF~~	1/23/20	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44 / 19.7°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JAN 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0516

Customer: ~~IPC, Inc.~~ ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~ (MCC) Daily EFF

Project :

Address:

Sampled by: C. [illegible]

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/24/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.67/16.5°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JAN 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

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

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 02-Feb-20 12:27
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0527

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/25/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.92
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 25 2020
By

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

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab) Comp

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0534

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/26/2020	10:16	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	"	"							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 26 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0545

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/27/20	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.84
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 27 2020
By Alex Wallace Jr

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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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: 02-Feb-20 12:36
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0573

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

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

RECEIVED
JAN 28 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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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

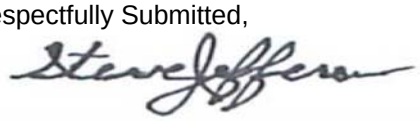
Attention: Ric Vardel
Report Date: 16-Feb-20 16:36
Subject: (MCC) Weekly INF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0597

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01-28-20	00:00	1	TSS	Comp	AQ	1L P	4°C	7.32/16.7°C
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 29 2020
By CW

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2040592

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

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

RECEIVED
JAN 29 2020
By AV

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0596

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	01-29-20	10:30	1	TSS	Grab	AQ	1L P	4°C	7.59/12.0°C
			1	Ammonia, TKN	Grab	AQ	500 P	HS	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	01-28-20	00:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 29 2020
By

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

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0613

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	01/30/20	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 21.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 30 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0636

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

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

RECEIVED
JAN 31 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Feb-20 15:46
Subject: (MCC) Daily EFF

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0004

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

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

RECEIVED
FEB 01 2020
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addition 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 replaced from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may 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 its request for 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 test methods 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) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The responsibility of PCL, its officers, agents, employees or 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 [illegible]

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates [illegible]

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples containing for analysis such as asbestos, polychlorinated biphenyls, benzene or any other hazardous or toxic material, wastes or substances which are defined, determined or identified as such in current federal, state or local laws, rules [illegible] 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 [illegible] client will be charged a sample disposal fee per sample 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 services are completed is required for all new clients [illegible] established with PCL. For those clients with an established credit account, the terms for payment of charges are NET [illegible] 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 [illegible]

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 [illegible] data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and that no third party may rely on such data, information or reports. [illegible] data, information and reports are not requested, or shall be used to be relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities [illegible]

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less: samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times [illegible] samples must arrive at the lab within 24 hours [illegible] After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0015-01

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/2/2020	10:31	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
FEB 02 2020
By

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the prices, invoice, and any additional agreements, terms which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consisting of sampling services and lab analysis, including analysis, testing and reporting services. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such schedule 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 and will accept orders for services only on the terms and conditions stated in the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

Client may place orders for services by submitting a written Letter of Intent (LOI) to PCL. Any such written instrument, or acceptance by the client of PCL's offer to do business with the client under the terms and conditions, and PCL's agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or 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 purchase 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 State Water Board (SWRCB), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a manner consistent with the requirements of the industry and/or PCL Standard Operating Procedures (SOP) and/or the QA/QC program. The total liability of PCL, its officers, agents, employees or representatives to the client arising out of or in connection with the services to be provided herein shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for control over and about the sampling site and for advising PCL of the latter 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 in the course of its performance of services hereunder (collectively referred to for purposes of this Section as "Client Data") are and shall remain the property of Client. PCL shall keep Client Data confidential and shall not disclose it to any third party (except as required by law or to PCL's subcontractors, if any, engaged to perform services hereunder) without the prior written consent of Client. PCL shall not use Client Data for any purpose other than performance of the services hereunder. PCL shall ensure that its employees and subcontractors who have access to Client Data during the performance of services hereunder have executed written agreements, enforceable by PCL, that are consistent with the confidentiality provisions of this Section 9. Upon the completion of the services hereunder, PCL shall return to Client all Client Data in its possession or control. The foregoing confidentiality obligations shall not apply to any Client Data that: (a) is or becomes publicly available without breach of this Section 9; (b) is received by PCL from a third party who did not acquire or disclose such Client Data by a wrongful act; or (c) is independently developed by PCL without reference to Client Data. In the event PCL is legally compelled by a governmental authority to disclose Client Data, PCL shall give Client prompt written notice of such compulsion prior to making such disclosure, reasonably cooperate with Client's efforts to obtain a protective order or other confidential treatment for such disclosure, and disclose only such Client Data as is required by such governmental authority.

10. Hold Harmless

Client agrees to defend, indemnify, and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all claims, losses, liabilities, damages, costs, and expenses, including attorneys' fees and costs and expert witness fees, but only in the proportion and to the extent such claims, losses, liabilities, damages, costs, and expenses are caused by the negligent or willful acts or omissions of Client, its employees, agents, affiliates, successors or assigns, or any of them, arising out of or in connection with this agreement. Client's duty to defend, indemnify, and hold harmless PCL shall not include any claims or liabilities arising from the sole negligence or willful misconduct of PCL, its employees, agents, affiliates, successors or assigns, or any of them. Client's obligations under this section shall survive the termination of this agreement.

11. Hazardous Substances

If PCL is to perform the services requested by Client, Client will inform PCL if any PCL employee samples or materials for possible toxic or infectious properties, hazardous substances, or radioactivity, which are defined, determined or regulated as such under federal, state or local laws, rules, policies or regulations governing handling or treatment of such substances, and Client will inform PCL of any special precautions to be taken in handling such samples or materials. 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 PCL shall not be responsible for disposal of such materials. If PCL is to perform services on samples or materials provided by Client or by PCL's QA/QC policies, in the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aquatic bacteriological analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of each service and/or date the service was ordered or with price quoted and later confirmed in writing. The price schedule is subject to change at any time with or without notice. Payment in advance or when services are requested is required of all new clients or until a history of payment and credit is established. Terms and conditions with PCL for those clients who are approved will be net 30 days from date of invoice. Invoices not paid within thirty (30) days from date of invoice are considered delinquent. To the fullest extent permitted by law, a finance charge will be assessed on delinquent accounts at the rate of 1.5% per month on the unpaid balance. If unpaid accounts are referred to an attorney for collection by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amount allowed by the court. Any dispute concerning an invoice must be communicated to PCL within thirty (30) days of the invoice date, or it will be deemed accepted.

13. Agreement Modification

Changes, modifications, and waivers of the terms of this agreement must be in writing and executed by an officer of PCL and by an authorized representative of the client. Any 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's consulting services hereunder for his own account, and not as agent, promoter, or in any other fiduciary capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not intended to be relied upon or communicated to or by any part of the purchase offer memorandum, or distribution of any securities, or other circumstance or instrument of any nature, the securing, solicitation, removal, or refinancing of any loan from any financial institution, or any investor or investment advisor, or underwriter, or any governmental agency or instrumentality.

15. Rush Analysis

Rush analyses are available on an additional charge and need for arrangements afterward. If the any unforeseen reason, the client has been notified in such, the normal price will apply.

16. Holding Times

PCL is not responsible for holding times that are exceeded because of unreasonable delays in the receipt of samples, improper sampling techniques, or inadequate preservation. Standard holding times and storage conditions should be followed prior to any sampling being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less' samples must arrive within 10 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 72 hour samples must arrive at the lab within 24 hours after collection to allow for the holding times can be met. Short Holding Times of 48 hours or less should be hand delivered or next day delivered to the lab 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. Prearranged long term storage is subject to an additional charge. Samples will be discarded at the end of the prearranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been retained on this fee schedule. Reasonable notice has been provided for each pick up or service. Unnecessary delays during the pick up or sampling may be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0027

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	02/03/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42/14.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0034

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

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

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0063

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/04/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Pat-Chem Laboratories (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 makes request laboratory services, consulting or sampling services and for its agents, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written letter of request (LOR) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

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

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client to PCL, client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public other than public disclosure caused by PCL or its servants, employees or agents) and PCL shall not disclose the same to any third party without the written consent of client, except to the extent required by law or governmental regulations. PCL shall use the same standard of care it uses to protect its own confidential information but in no event less than reasonable care. Client shall indemnify, defend and hold PCL harmless from and against any and all claims, losses, damages, liabilities, costs and expenses (including reasonable attorneys' fees) arising out of or relating to any third party claim alleging that PCL's use of any information, data, materials or reports furnished by client to PCL infringes or misappropriates such third party's intellectual property rights.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses whatsoever, including reasonable attorneys' fees and court costs (the "Losses") of any third party, as a result of, or in any way arising out of or relating to any and all services rendered by PCL pursuant to this agreement and/or any contract with the parties and/or PCL pursuant to this agreement and/or any act or omission in handling or disposal of client's hazardous materials. In the event of death of or personal injury to any employee or agent of PCL or damage to or destruction of property of PCL or any of its employees or agents, arising out of or in any way connected with the performance of services under this agreement, whether or not due to the negligence of PCL, its employees or agents, client shall indemnify, defend and hold PCL harmless from and against any and all claims, losses, damages, liabilities, costs and expenses (including reasonable attorneys' fees) arising out of or relating to any such death or injury, unless such death or injury is caused by the sole negligence of PCL, its employees or agents. Client agrees that it is responsible for maintaining adequate insurance coverage to be provided by client, which coverage shall be the minimum amounts required under applicable law. In the event client fails to provide such insurance coverage, client shall be liable to PCL for all direct, punitive, special, incidental or consequential damages including without limitation loss of profit or business interruption. Litigation expenses in connection therewith, including, without limitation, attorneys' fees, court costs, and the fees and expenses of experts, as well as all other expenses incurred by client or on client's behalf in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement shall inure to 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 analysis, such as asbestos, polychlorinated biphenyls (PCBs), or any other hazardous or toxic materials, wastes and substances which are defined, designated or classified by any applicable federal, state or local laws. Unless PCL otherwise negotiates to the contrary, prior to picking up (or after arrival at PCL's premises) or promptly upon any actual or attempted unauthorized disposition 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 that client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policy and procedures.

12. Prices/Payments

Unless otherwise agreed to in writing by PCL, applicable prices, unless in effect at the time of acceptance or the date the services were rendered or work product tendered, later increased or pricing has changed, is subject to change at any time without notice. Payment is due within [illegible] calculated from the date of invoice. If client has been established with PCL for the purpose with an established credit account, the terms for payment of charges are NET [illegible] days from date of invoice. To the fullest extent permitted by law or as by applicable law, any amount unpaid by the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law at that time or [illegible] per month on the unpaid balance. Disputed amounts are excluded from interest calculations. In the event PCL employs collection agency and/or attorney to collect any amount due, client shall pay reasonable costs and attorney's fees so incurred in connection with such collection, whether or not suit is filed.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by a duly authorized representative of the client. Except for subsequent orders for additional services made by the client as in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services to consider for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not intended, or shall be used to induce upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any package of securities, or any interests in or securities, the offering memorandum, prospectus or solicitation of any investment, financial institution, or other vehicle or plan, or relating to or affecting same, directly or indirectly, any private or public offering or solicitation.

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 circumstances that are delivered on weekends or after hours unless we are notified of and accept delivery. Standard holding times and sample conditions should be reviewed prior to any sample being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 16 hours to allow PCL to meet holding times without incurring a rush surcharge. All short holding time (< 72 hours) samples must be on site at the lab within 24 hours of the time of collection to ensure that the holding times can be met. In all cases, it is the responsibility of the client to notify PCL of any samples that have short holding times. Results can be delivered on the same day however no guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Per diem/yearly long term storage is subject to an additional charge. Samples will be disposed of at the end of the prearranged storage time.

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

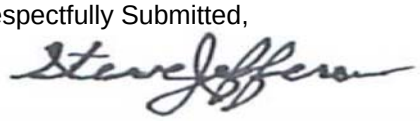
Attention: Ric Vardel
Report Date: 16-Feb-20 16:40
Subject: (MCC) Weekly INF

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

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

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0119

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
INF	02/04/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.78/16.9°C
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 05 2020
By

Geotracker EDD:
Logcode: IPC
Global ID: WDR100000359

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

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

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order (or Client's E. all acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions set E. an agreement to be bound by these terms and conditions.

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

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the samples analyzed by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered. PCL shall not be in breach of the agreement hereof if such information is required by law or legal process. PCL shall use the same standard of care in protecting all such confidential data and information as it would its own confidential information. Client acknowledges that all data, analyses, reports and other information developed by PCL pursuant to this agreement may be relied upon only by client and its authorized agents. Client agrees that PCL shall not be liable for any claim, liability or damages with respect to the accuracy, completeness or timeliness of such data, analyses, reports or other information developed by PCL pursuant to this agreement if any such claim, liability or damages arises from the reliance upon or unauthorized use of such information by any third party. Client agrees to indemnify and hold harmless PCL, its officers, agents, employees and representatives from and against any and all claims, demands, losses, liabilities, costs and expenses, including, but not limited to, attorneys' fees (the "Losses") and penalties arising in favor of client or any third party as a result of, and/or in any way connected with, a breach by client of its obligations under this agreement and/or client's use, publication, handling or disposal of client's data or samples, 1. injury, illness or death of persons 2. Direct, damage to, loss of, or loss of use of property and/or 3. Environmental damage or any other Losses, claims, damages, or liabilities, whether direct or indirect, arising out of, connected with, or resulting from the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might have to PCL and the other indemnified persons. To the extent not expressly prohibited by applicable law, client agrees that client's maximum aggregate liability to PCL and any other indemnified person will not exceed any amounts actually paid by client to PCL under this agreement. In no event will PCL or its affiliates be liable for indirect, incidental, special, consequential or exemplary damages (including without limitation, loss of profits or business interruption, litigation expenses or other fees (including without limitation attorney's fees, expert fees or costs of preparation or judgment interest), or any other expenses incurred by client or any other party in any way related to or arising out of or resulting from any dispute between client and PCL or any independent persons in connection with this agreement or all services provided under this agreement even if client or the prevailing party.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, parent, affiliates, subsidiaries and parent companies from and against any and all claims, demands, causes of action, liability, losses, damages, suits, costs and expenses (including, but not limited to attorneys' fees, litigation expenses) and penalties arising in favor of client or any third party as a result of, and/or in any way connected with, a breach by client of its obligations under this agreement and/or client's use, publication, handling or disposal of client's data or samples, 1. injury, illness or death of persons 2. Direct, damage to, loss of, or loss of use of property and/or 3. Environmental damage or any other Losses, claims, damages, or liabilities, whether direct or indirect, arising out of, connected with, or resulting from the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might have to PCL and the other indemnified persons. To the extent not expressly prohibited by applicable law, client agrees that client's maximum aggregate liability to PCL and any other indemnified person will not exceed any amounts actually paid by client to PCL under this agreement. In no event will PCL or its affiliates be liable for indirect, incidental, special, consequential or exemplary damages (including without limitation, loss of profits or business interruption, litigation expenses or other fees (including without limitation attorney's fees, expert fees or costs of preparation or judgment interest), or any other expenses incurred by client or any other party in any way related to or arising out of or resulting from any dispute between client and PCL or any independent persons in connection with this agreement or all services provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

If it is PCL to perform any services requested by client, client will provide and PCL will receive samples that may be analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (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 client's employees 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 asphalt bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of application from the date the services were rendered or as otherwise agreed upon in writing. The price schedule is subject to change without notice. Payment in advance or otherwise may be required in certain circumstances. Unless otherwise agreed in writing, the payment terms are net 30 days from invoice date. If credit has been established with PCL, but client shall refrain without notice to client, the terms for payment of charges are NET 30 days from the date of invoice. No cash discount shall be allowed. Payment is due in full on the invoice date and shall be considered late if not received by PCL within thirty (30) days. A late charge of one and one-half percent (1.5%) per month on the unpaid balance, or the highest rate permitted by law, whichever is less, shall be added to the account each month. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any delinquent amount.

13. Agreement Modification

Except as otherwise provided herein, the terms of this agreement shall not be waived or modified except by an express written agreement executed by both PCL and the client. Any additional or different terms or conditions proposed by client, including those contained in client's purchase orders or confirmations, are hereby objected to by PCL and shall not be binding upon PCL unless specifically accepted in writing by PCL. PCL's failure to object to provisions contained in any communication from client shall not be deemed a waiver by PCL of the terms of this agreement. Any additional or different terms proposed by client are rejected unless expressly assented to in writing by PCL. Client's acceptance of any proposal submitted by PCL is limited to and conditioned upon acceptance of the terms and conditions contained herein. Any modification of these terms and conditions must be in writing and signed by an authorized representative of PCL.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely responsible for its business decisions, and shall not assert or permit any other person or entity to assert liability against PCL 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 the data, information and reports are not represented or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any prospectus or other reliability to the owners of any securities, the granting, amendment, renewal, or reinstatement of any loan made by any financial institution or other lender, or the consideration of or contracting with, or by, or any action any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for having sometimes are exceeded because of samples that are delivered or submitted after 5pm (Monday through Friday) and/or on the weekend. Standard holding times and all exceptions should be reviewed prior to any samples being received by PCL. Most of holding times can be modified to the client's requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days, samples must arrive at the laboratory prior to 5pm on Friday in order to meet the holding times (or for 24 hour holding times prior to 5pm on the day prior to the holding time expires). After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are specified as of the date above date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

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

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

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

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0115

Customer: IPC - Integrated Performance Consultants, Inc		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/05/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/21°C
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/05/20	12:30
Received by		Armando Cruz (Patchem)	2/5/20	12:30
Relinquished by		Armando Cruz (Patchem)	2/5/20	15:05
Received by				
Relinquished by				
Received in lab by		Alex Wamuti	2/5/20	1328

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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 replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may 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 consent 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 Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from 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 in which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall [illegible] its own confidential data and shall [illegible] PCL [illegible] such data and information [illegible] for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or [illegible]. The client will not disclose to any third party any [illegible] without prior written consent of [illegible].

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parents harmless from and against any and all liabilities, claims, damages, [illegible] and causes of action [illegible] arising in favor of Client or any third party [illegible] in connection with the performance of services [illegible] this agreement [illegible] or disposal of client's hazardous materials [illegible]. This indemnity shall apply to all of the [illegible] damages [illegible] PCL or its employees [illegible] in each and [illegible] with the negligence [illegible] of PCL [illegible] whether sole or concurrent, in the performance of services under this agreement. The foregoing indemnities will be [illegible] the [illegible] and the [illegible] to the extent [illegible] by applicable law. Client agrees that its indemnity obligations will be supported by [illegible] coverage [illegible] maximum amounts permitted under [illegible] PCL be liable [illegible] incidental or consequential damages [illegible] and lost profits [illegible] litigation expenses or other fees (including, without limitation, attorney's fees [illegible]) judgment interest or [illegible] 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 services provided under this agreement [illegible] to the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client acknowledges that PCL will receive samples materials for analyses such as asbestos, [illegible] bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, policies or regulations [illegible] 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 in [illegible] 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 [illegible] 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 other [illegible] is required for all new clients [illegible] until [illegible] with PCL for [illegible] charges are [illegible] thirty (30) days from date of invoice. [illegible] 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 [illegible] amounts are [illegible] attorney, the client [illegible] with [illegible].

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective [illegible] 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 obligation for client's use of or reliance on data, information or reports furnished by PCL [illegible] or 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 for, or shall be used to [illegible] upon, in connection with or as part of the [illegible] sale, underwriting, or distribution of any securities, [illegible] the lending, [illegible] renewal or extension of any loan from any financial institution or [illegible] directly or indirectly, any governmental agency or [illegible].

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance [illegible] results. [illegible] the [illegible] price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered [illegible] without prior notification and arrangement. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 14 days or less, samples must arrive within [illegible] hours to allow PCL to meet holding times without incurring a rush surcharge. For short holding times [illegible] samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. [illegible] holding times of 48 hours or less [illegible] must be delivered the 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 estimated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Feb-20 14:30
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0116-01) Collected: 05-Feb-20 By C.A.						
Ammonia as N	EPA 350.1	AB01021	0.10	10-Feb-20 (SS)	0.11 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB01024	0.10	11-Feb-20 (LA)	0.95 mg/l	
Total Suspended Solids	SM2540D	AB00614	1	07-Feb-20 (SS)	<1 mg/l	
Nitrate as N	EPA 353.2	AB00537	0.02	05-Feb-20 (LA)	3.07 mg/l	
Nitrite as N	EPA 353.2	AB00537	0.02	05-Feb-20 (LA)	0.02 mg/l	
EFF (Sample I.D.# : 20B0116-02) Collected: 04-Feb-20 By C.A.						
Biochemical Oxygen Demand	SM 5210B	AB00616	2	11-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 208046

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/05/20	1145	1	TSS	Grab	AQ	1L P	4°C	7.53/20.0°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/04/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 05 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/05/20	12:30
Received by		Armando Ochoa (Patchem)	2/5/20	12:30
Relinquished by		Armando Ochoa (Patchem)	2/5/20	15:05
Received by				
Relinquished by				
Received in lab by		Alex Watkins	2/5/20	1333

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and its/their officers, employees, agents and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Service Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No 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 constitute a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of care in practice in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), [illegible], American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided to client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this 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 [illegible] but shall not be responsible for any [illegible] disclosure of [illegible]. The reports and information [illegible] for the exclusive use and benefit of client and client agrees that [illegible] third party beneficiaries of such reports, data or information. Client will not disclose to any third party any [illegible] technical information [illegible].

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, [illegible] of whatever kind and nature [illegible] expenses, including but not limited to attorney fees [illegible]

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples/materials for analysis such as asbestos, polychlorinated biphenyls, bacteria, or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, [illegible] ("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 analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule [illegible]

13. Agreement Modification

Changes, modifications or amendments of the Terms shall be effective only if in writing and executed by an officer of PCL and [illegible] in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL disclaims any responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL [illegible]

15. Rush Analysis

[illegible]

16. Holding Times

[illegible]

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Feb-20 16:03
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0144-01) Collected: 06-Feb-20 By CA						
pH	SM 4500H-B	AB00712	0.1	06-Feb-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00713	0.05	07-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00617	1.8	08-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00617	1.8	08-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0144

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daiiy	
Address: 9297 Research Drive		**Sampled by:** C.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/06/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 / 19.1 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/06/20	12:15
Received by		Armando Ochoa (Pat)	2/6/20	12:15
Relinquished by		Hernando Ochoa (Pat)	2/6/20	14:50
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/6/20	1215

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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 addition or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, sampling or sampling services and his or its agents, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may 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 [illegible] constitutes the client's express agreement 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 [illegible]. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgment 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 conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's site, and the results obtained by PCL shall be held in confidence unless such information is generally available to the public [illegible]

10. Hold Harmless

[illegible]

11. Hazardous Substances

[illegible]

12. Prices/Payments

[illegible]

13. Agreement Modification

[illegible]

14. No Third Party Beneficiaries: No Right of Reliance

[illegible]

15. Rush Analysis

Rush analyses are available for an additional charge and must be scheduled in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the [illegible]

16. Holding Times

[illegible]

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 prearranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Inorganic Constituents							
Silver	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Arsenic	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**1.4 ug/l**	
Beryllium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Cadmium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**5.6 ug/l**	
Copper	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**1.1 ug/l**	
Cyanide (total)	SM 4500-CN-E	AB01731	0.0050	17-Feb-20	18-Feb-20	**<0.0050 mg/l**	
Mercury	EPA 245.1	AB01230	0.20	12-Feb-20	12-Feb-20	**<0.20 ug/l**	
Nickel	EPA 200.8	AB01020	0.5	10-Feb-20	11-Feb-20	**3.1 ug/l**	
Lead	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Antimony	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**<1.0 ug/l**	
Selenium	EPA 200.8	AB01020	2.0	10-Feb-20	11-Feb-20	**2.5 ug/l**	
Thallium	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**<1.0 ug/l**	
Zinc	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**13 ug/l**	
Base/Neutral and Acid Extractables							
Acenaphthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Acenaphthylene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzidine	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
Benzo (a) anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (a) pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (b) fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (g,h,i) perylene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (k) fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-chloroethoxy)methane	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-choroethyl)ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Base/Neutral and Acid Extractables							
Bis(2-chloroisopropyl)ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-ethylhexyl)phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Bromophenyl phenyl ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzyl Butyl Phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2-Chloronaphthalene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Chlorophenyl phenyl ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Chrysene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Dibenzo (a,h) anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
3,3´-Dichlorobenzidine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Diethyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Dimethyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Di-n-butyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2,4-Dinitrotoluene	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,6-Dinitrotoluene	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Di-n-octyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
1,2-Diphenylhydrazine (Azobenzene)	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Fluorene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorobutadiene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorocyclopentadiene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachloroethane	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Indeno (1,2,3-cd) pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Isophorone	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Naphthalene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Nitrobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Base/Neutral and Acid Extractables							
N-Nitrosodimethylamine	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
N-Nitrosodi-n-propylamine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
N-Nitrosodiphenylamine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Phenanthrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
1,2,4-Trichlorobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2-Chlorophenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,4-Dichlorophenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2,4-Dimethylphenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4,6-Dinitro-2-methylphenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
2,4-Dinitrophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
2-Nitrophenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Nitrophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
4-Chloro-3-methylphenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Pentachlorophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
Phenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,4,6-Trichlorophenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Surrogate: 2-Fluorophenol	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*42.0 % (13.6-74)*	
Surrogate: Phenol-d6	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*25.4 % (8-65)*	
Surrogate: 2-Chlorophenol-d4	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*66.1 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*59.6 % (30-106)*	
Surrogate: Nitrobenzene-d5	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*71.7 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*73.3 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*59.0 % (19-155)*	
Surrogate: p-Terphenyl-d14	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*82.9 % (33-149)*	
2,3,7,8-TCDD Screening							
2,3,7,8-TCDD	EPA 625.1 (SIM)	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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Customer: **Integrated Performance Consultants, Inc.**
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Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Volatile Organics							
Acrolein	EPA 624.1	AB01249	25.0	12-Feb-20	12-Feb-20	**<25.0 ug/l**	
Acrylonitrile	EPA 624.1	AB01249	25.0	12-Feb-20	12-Feb-20	**<25.0 ug/l**	
Benzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Bromoform	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Carbon tetrachloride	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Chlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Dibromochloromethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Chloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
2-Chloroethylvinyl ether	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**5.0 ug/l**	
Chloroform	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**51.8 ug/l**	
Bromodichloromethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**24.8 ug/l**	
1,2-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,3-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,4-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1-Dichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,2-Dichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1-Dichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,2-Dichloropropane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
cis-1,3-Dichloropropene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
trans-1,3-Dichloropropene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Ethylbenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Methyl Bromide (Bromomethane)	EPA 624.1	AB01249	10.0	12-Feb-20	12-Feb-20	**<10.0 ug/l**	
Methyl Chloride (Chloromethane)	EPA 624.1	AB01249	10.0	12-Feb-20	12-Feb-20	**<10.0 ug/l**	
Methylene chloride (Dichloromethane)	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Tetrachloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Volatile Organics							
Toluene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
trans-1,2-Dichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,1-Trichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,2-Trichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Trichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Vinyl chloride	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Surrogate: Dibromofluoromethane	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*109 % (70-130)*	
Surrogate: Toluene-d8	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*102 % (70-130)*	
Surrogate: Bromofluorobenzene	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*93.4 % (70-130)*	
Organochlorine Pesticides and PCBs							
Aldrin	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
alpha-BHC	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
beta-BHC	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
gamma-BHC (Lindane)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
delta-BHC	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
Chlordane	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
4,4´-DDT	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
4,4´-DDE	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
4,4´-DDD	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Dieldrin	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
alpha-Endosulfan (I)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
beta-Endosulfan (II)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endosulfan Sulfate	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endrin	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endrin Aldehyde	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Heptachlor	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Organochlorine Pesticides and PCBs							
Aroclor 1016 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1221 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1232 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1242 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1248 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1254 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1260 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Toxaphene	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 608.3	AB01130		11-Feb-20	21-Feb-20	*49.5 % (31.3-103)*	
Surrogate: Decachlorobiphenyl	EPA 608.3	AB01130		11-Feb-20	21-Feb-20	*55.5 % (13.5-142)*	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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: 322002877
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: 02/12/2020
Analyzed: 02/20/2020

Proj: 20B0203

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)		
20B0203-01 322002877-0001	2/14/2020 01:33 PM	100	1288	0.0650	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.73
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.73

Collection Date/Time: *02/07/2020 11:45 AM*

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Kyeong Corbin (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 02/20/2020 13:21:19

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

OrderID: 322002877

SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

#322002877

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

LA Testing
520 Mission St,
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax:

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01 **Water**	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Asbestos Water	25-Feb-20 12:00	05-Aug-20 11:45		SUB-OUT
Containers Supplied:				waste water

10.6 °C

Released By	Date	Received By	Date
Alp Valenzuela	2/12/20 13:00	Amanissenok Tsin	02/12/2020 1520
Released By	Date	Received By	Date

Page 1 of 1

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 0B24051

Project: 20B0203

Attn: Stephen Berentsen

Client: Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Report Date: 3/20/2020

Received Date: 2/24/2020

Turnaround Time: Normal

Phones: (818) 639-5300

Fax: (818) 639-5306

P.O. #:

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 2/24/20 with the Chain-of-Custody document. The samples were received in good condition, at 2.5 °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:

Regina M. Giancola
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: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
20B0203-01	Client	0B24051-01	Water	02/07/20 11:45	

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: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

Sample Results

Sample: 20B0203-01
0B24051-01 (Water)

Sampled: 02/07/20 11:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by CI GC/MS/MS, EPA 521						
Method: EPA 521 **Batch ID:** W0B1641 **Instr:** GCMS09		**Prepared:** 02/28/20 09:23			**Analyst:** mld	
N-Nitrosodimethylamine	ND	2.0	ng/l	1	03/03/20	O-09, U-01
Surrogate(s)						
NDMA-d6	*90% Conc: 22.8*	*70-130*			*03/03/20*	*O-09, U-01*
PPCPs - Hormones by LC/MSMS-APCI						
Method: EPA 1694M-APCI **Batch ID:** W0B1417 **Instr:** LCMS02		**Prepared:** 02/25/20 11:52			**Analyst:** kan	
17-b-Estradiol	ND	1.0	ng/l	1	03/06/20	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI-						
Method: EPA 1694M-ESI- **Batch ID:** W0B1416 **Instr:** LCMS02		**Prepared:** 02/25/20 11:48			**Analyst:** kan	
Triclosan	ND	2.0	ng/l	1	03/05/20	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI+						
Method: EPA 1694M-ESI+ **Batch ID:** W0B1415 **Instr:** LCMS02		**Prepared:** 02/25/20 11:37			**Analyst:** kan	
Caffeine	**63**	1.0	ng/l	1	03/10/20	U-01
DEET	**5.5**	1.0	ng/l	1	03/10/20	U-01
Sucralose	**520**	5.0	ng/l	1	03/10/20	U-01

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Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

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: W0B1641 - EPA 521										
Blank (W0B1641-BLK1)				**Prepared: 02/28/20**	**Analyzed: 03/03/20**					
N-Nitrosodimethylamine	ND	2.0	ng/l							
Surrogate(s)										
NDMA-d6	*22.0*		*ng/l*	*25.0*		*88*	*70-130*			
LCS (W0B1641-BS1)				**Prepared: 02/28/20**	**Analyzed: 03/03/20**					
N-Nitrosodimethylamine	2.13	2.0	ng/l	2.00		106	50-150			
Surrogate(s)										
NDMA-d6	*22.8*		*ng/l*	*25.0*		*91*	*70-130*			
LCS Dup (W0B1641-BSD1)				**Prepared: 02/28/20**	**Analyzed: 03/03/20**					
N-Nitrosodimethylamine	2.04	2.0	ng/l	2.00		102	50-150	4	50	
Surrogate(s)										
NDMA-d6	*23.5*		*ng/l*	*25.0*		*94*	*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: W0B1417 - EPA 1694M-APCI										
Blank (W0B1417-BLK1)				**Prepared: 02/25/20**	**Analyzed: 03/06/20**					
17-a-Estradiol	ND	1.0	ng/l							
17-a-Ethynylestradiol	ND	1.0	ng/l							
17-b-Estradiol	ND	1.0	ng/l							
Diethylstilbestrol	ND	5.0	ng/l							
Epitestosterone	ND	1.0	ng/l							
Estriol	ND	5.0	ng/l							
Estrone	ND	1.0	ng/l							
Progesterone	ND	1.0	ng/l							
Testosterone	ND	1.0	ng/l							
LCS (W0B1417-BS1)				**Prepared: 02/25/20**	**Analyzed: 03/06/20**					
17-a-Estradiol	8.40	1.0	ng/l	10.0		84	50-150			
17-a-Ethynylestradiol	7.70	1.0	ng/l	10.0		77	68-159			
17-b-Estradiol	8.80	1.0	ng/l	10.0		88	65-146			
Diethylstilbestrol	12.9	1.0	ng/l	10.0		129	50-150			
Epitestosterone	17.3	1.0	ng/l	10.0		173	50-150			Q-08
Estriol	13.8	1.0	ng/l	10.0		138	50-150			
Estrone	14.0	1.0	ng/l	10.0		140	59-141			
Progesterone	13.9	1.0	ng/l	10.0		139	58-154			
Testosterone	17.4	1.0	ng/l	10.0		174	60-172			Q-08
LCS Dup (W0B1417-BSD1)				**Prepared: 02/25/20**	**Analyzed: 03/06/20**					
17-a-Estradiol	9.70	1.0	ng/l	10.0		97	50-150	14	30	
17-a-Ethynylestradiol	8.30	1.0	ng/l	10.0		83	68-159	8	30	

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Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0B1417 - EPA 1694M-APCI (Continued)										
LCS Dup (W0B1417-BSD1)				**Prepared: 02/25/20**	**Analyzed: 03/06/20**					
17-b-Estradiol	8.20	1.0	ng/l	10.0		82	65-146	7	30	
Diethylstilbestrol	10.0	1.0	ng/l	10.0		100	50-150	25	30	
Epitestosterone	16.9	1.0	ng/l	10.0		169	50-150	2	30	Q-08
Estriol	24.2	1.0	ng/l	10.0		242	50-150	55	30	Q-08
Estrone	12.0	1.0	ng/l	10.0		120	59-141	15	30	
Progesterone	14.3	1.0	ng/l	10.0		143	58-154	3	30	
Testosterone	16.7	1.0	ng/l	10.0		167	60-172	4	30	

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Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

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: W0B1416 - EPA 1694M-ESI-										
Blank (W0B1416-BLK1)				**Prepared: 02/25/20 Analyzed: 03/05/20**						
Bisphenol A	ND	1.0	ng/l							
Diclofenac	ND	1.0	ng/l							
Gemfibrozil	ND	1.0	ng/l							
Ibuprofen	ND	1.0	ng/l							
Iopromide	ND	5.0	ng/l							
Naproxen	ND	1.0	ng/l							
Salicylic Acid	88.3	50	ng/l							B
Triclosan	ND	2.0	ng/l							
LCS (W0B1416-BS1)				**Prepared: 02/25/20 Analyzed: 03/05/20**						
Bisphenol A	13.0	1.0	ng/l	10.0		130	53-168			
Diclofenac	14.4	1.0	ng/l	10.0		144	37-218			
Gemfibrozil	10.7	1.0	ng/l	10.0		107	76-122			
Ibuprofen	9.21	1.0	ng/l	10.0		92	67-139			
Iopromide	35.2	5.0	ng/l	50.0		70	0.1-163			
Naproxen	12.0	1.0	ng/l	10.0		120	64-138			
Salicylic Acid	154	50	ng/l	100		154	56-229			
Triclosan	11.0	2.0	ng/l	10.0		110	76-139			
LCS Dup (W0B1416-BSD1)				**Prepared: 02/25/20 Analyzed: 03/05/20**						
Bisphenol A	13.4	1.0	ng/l	10.0		134	53-168	3	30	
Diclofenac	13.8	1.0	ng/l	10.0		138	37-218	4	30	
Gemfibrozil	10.8	1.0	ng/l	10.0		108	76-122	1	30	
Ibuprofen	10.7	1.0	ng/l	10.0		107	67-139	15	30	
Iopromide	38.2	5.0	ng/l	50.0		76	0.1-163	8	30	
Naproxen	11.9	1.0	ng/l	10.0		119	64-138	1	30	
Salicylic Acid	121	50	ng/l	100		121	56-229	24	30	
Triclosan	11.2	2.0	ng/l	10.0		112	76-139	2	30	

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Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported: 03/20/2020 11:21

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: W0B1415 - EPA 1694M-ESI+										
Blank (W0B1415-BLK1)				**Prepared: 02/25/20 Analyzed: 03/07/20**						
Phenytoin (Dilantin)	ND	1.0	ng/l							
Primidone	ND	1.0	ng/l							
Blank (W0B1415-BLK2)				**Prepared: 02/25/20 Analyzed: 03/10/20**						
Acetaminophen	ND	20	ng/l							QC-2
Amoxicillin	ND	10	ng/l							QC-2
Atenolol	ND	1.0	ng/l							QC-2
Atorvastatin	ND	1.0	ng/l							QC-2
Azithromycin	ND	10	ng/l							QC-2
Caffeine	ND	1.0	ng/l							QC-2
Carbamazepine	ND	1.0	ng/l							QC-2
Ciprofloxacin	ND	5.0	ng/l							QC-2
Cotinine	ND	2.0	ng/l							QC-2
DEET	ND	1.0	ng/l							QC-2
Diazepam	ND	1.0	ng/l							QC-2
Fluoxetine	ND	1.0	ng/l							QC-2
Galaxolide (HHCB)	18.2	10	ng/l							B, QC-2
Meprobamate	ND	1.0	ng/l							QC-2
Methadone	ND	1.0	ng/l							QC-2
Oxybenzone	ND	1.0	ng/l							QC-2
Praziquantel	ND	1.0	ng/l							QC-2
Quinoline	ND	1.0	ng/l							QC-2
Sucralose	ND	5.0	ng/l							QC-2
Sulfamethoxazole	ND	1.0	ng/l							QC-2
TCEP	ND	1.0	ng/l							QC-2
TCPP	30.1	1.0	ng/l							B, QC-2
TDCPP	38.7	1.0	ng/l							B, QC-2
Trimethoprim	ND	1.0	ng/l							QC-2
LCS (W0B1415-BS1)				**Prepared: 02/25/20 Analyzed: 03/07/20**						
Phenytoin (Dilantin)	8.47	1.0	ng/l	10.0		85	69-138			
Primidone	5.56	1.0	ng/l	10.0		56	54-147			
LCS (W0B1415-BS2)				**Prepared: 02/25/20 Analyzed: 03/10/20**						
Acetaminophen	250	20	ng/l	200		125	66-156			QC-2
Amoxicillin	33.5	10	ng/l	100		34	14-167			QC-2
Atenolol	12.9	1.0	ng/l	10.0		129	56-164			QC-2
Atorvastatin	6.29	1.0	ng/l	10.0		63	0.1-173			QC-2
Azithromycin	81.2	10	ng/l	100		81	52-166			QC-2
Caffeine	12.0	1.0	ng/l	10.0		120	55-152			QC-2
Carbamazepine	9.20	1.0	ng/l	10.0		92	60-135			QC-2
Ciprofloxacin	44.3	5.0	ng/l	50.0		89	51-168			QC-2

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Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

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: W0B1415 - EPA 1694M-ESI+ (Continued)										
LCS (W0B1415-BS2)				**Prepared: 02/25/20**	**Analyzed: 03/10/20**					
Cotinine	9.80	2.0	ng/l	10.0		98	68-155			QC-2
DEET	13.0	1.0	ng/l	10.0		130	45-135			QC-2
Diazepam	12.1	1.0	ng/l	10.0		121	58-127			QC-2
Fluoxetine	9.81	1.0	ng/l	10.0		98	55-150			QC-2
Meprobamate	23.9	1.0	ng/l	10.0		239	11-166			BS-H, QC-2
Methadone	12.3	1.0	ng/l	10.0		123	62-137			QC-2
Sulfamethoxazole	7.20	1.0	ng/l	10.0		72	60-133			QC-2
TCEP	9.84	1.0	ng/l	10.0		98	25-149			QC-2
TCPP	11.7	1.0	ng/l	10.0		117	24-149			QC-2
TDCPP	9.44	1.0	ng/l	10.0		94	20-158			QC-2
Trimethoprim	11.4	1.0	ng/l	10.0		114	67-139			QC-2
LCS Dup (W0B1415-BSD1)				**Prepared: 02/25/20**	**Analyzed: 03/07/20**					
Phenytoin (Dilantin)	12.8	1.0	ng/l	10.0		128	69-138	40	30	Q-12
Primidone	4.69	1.0	ng/l	10.0		47	54-147	17	30	BS-04
LCS Dup (W0B1415-BSD2)				**Prepared: 02/25/20**	**Analyzed: 03/10/20**					
Acetaminophen	115	20	ng/l	200		57	66-156	74	30	BS-04, QC-2
Amoxicillin	30.6	10	ng/l	100		31	14-167	9	30	QC-2
Atenolol	16.3	1.0	ng/l	10.0		163	56-164	23	30	QC-2
Atorvastatin	7.79	1.0	ng/l	10.0		78	0.1-173	21	30	QC-2
Azithromycin	85.5	10	ng/l	100		86	52-166	5	30	QC-2
Caffeine	12.0	1.0	ng/l	10.0		120	55-152	0	30	QC-2
Carbamazepine	8.70	1.0	ng/l	10.0		87	60-135	6	30	QC-2
Ciprofloxacin	42.0	5.0	ng/l	50.0		84	51-168	5	30	QC-2
Cotinine	8.90	2.0	ng/l	10.0		89	68-155	10	30	QC-2
DEET	9.40	1.0	ng/l	10.0		94	45-135	32	30	Q-12, QC-2
Diazepam	13.7	1.0	ng/l	10.0		137	58-127	12	30	Q-08, QC-2
Fluoxetine	9.92	1.0	ng/l	10.0		99	55-150	1	30	QC-2
Meprobamate	28.3	1.0	ng/l	10.0		283	11-166	17	30	BS-H, QC-2
Methadone	11.5	1.0	ng/l	10.0		115	62-137	7	30	QC-2
Sulfamethoxazole	6.50	1.0	ng/l	10.0		65	60-133	10	30	QC-2
TCEP	9.47	1.0	ng/l	10.0		95	25-149	4	30	QC-2
TCPP	12.8	1.0	ng/l	10.0		128	24-149	9	30	QC-2
TDCPP	6.45	1.0	ng/l	10.0		64	20-158	38	30	Q-12, QC-2
Trimethoprim	11.0	1.0	ng/l	10.0		110	67-139	4	30	QC-2

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www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 20B0203

Project Manager: Stephen Berentsen

Reported:
03/20/2020 11:21

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.
O-09	This sample was received with the EPA recommended holding time expired.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
U-01	The sample was received without the proper preservation.
% Rec	Percent Recovery
Dil	Dilution
dry	Sample results reported on a dry weight basis
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
NR	Not Reportable
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

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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SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

OB24051

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Weck Labs
14859 East Clark Avenue
City Of Industry, CA 91745
Phone :(626) 336-2139
Fax:

Analysis		Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01	**Water**	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Pharmaceuticals CECs		25-Feb-20 12:00	05-Aug-20 11:45		SUB-OUT
Containers Supplied:					

Released By: [signature] Date: 2/14/20 7:10 AM — Received By: [signature] Date: 2/14/20 1001 2.5°C TOCC

Released By — Date — Received By — Date

February 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2002163
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
20B0203-01 MCC Annual EFF	02/07/2020	02/13/2020	SP 2002163-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Wet Chemistry QC

218.6	02/15/2020:202570 All analysis quality controls are within established criteria
	02/15/2020:201831 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Reviewed and Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2020-02-21

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853 Corporation Street
Santa Paula, CA 93060
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

February 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20B0203-01
Project : 20B0203

Lab ID : SP 2002163-001
Customer ID : 2-12670

Sampled On : February 7, 2020-11:45
Sampled By : Not Available
Received On : February 13, 2020-16:52
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Chromium VI	ND	0.1	ug/L		218.6	02/15/20:201831	218.6	02/15/20:202570

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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February 21, 2020 Lab ID : SP 2002163
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	02/15/20:201831JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	104 %	90-110	
			MS	ug/L	2.000	96.0 %	75-125	
		(SP 2001803-001)	MSD	ug/L	2.000	96.6 %	75-125	
			MSRPD	ug/L	2.000	0.6%	≤20	
			MS	ug/L	2.000	97.8 %	75-125	
		(SP 2001804-001)	MSD	ug/L	2.000	97.3 %	75-125	
			MSRPD	ug/L	2.000	0.5%	≤20	
		(SP 2001803-001)	Dup	ug/L		0.0	0.1	
	218.6	02/15/20:202570JDD	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	96.4 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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CA ELAP Certification No. 2810

SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

2002163

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01 **Water**	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Hex Cr 218.6	25-Feb-20 12:00	14-Feb-20 11:45		SUB-OUT
Containers Supplied:				

WW per theresa @ Pat-Chem 2/14/20 8:30

Released By	Date	Received By	Date
	2/13/20 15:30pm		2/13/20 16:52
Released By	Date	Received By	Date

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0203

Customer: IPC, Inc.		**Project:** (MCC) Annual EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** ~~Ric Vardel / Golan Kfir~~	**Phone #:** ~~949-282-9067~~

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/10/20	1145	1	Priority Metals ✓	Grab	AQ	1L P	HN	7.65/22.6°C
			1	Hex Cr ✓	Grab	AQ	250 P	4°C	
			2	624 Priority ✓	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority ✓	Grab	AQ	1L G	4°C	
			1	CN ✓	Grab	AQ	250 P	OH,	
			1	Asbestos ✓	Grab	AQ	1L G	AA 4°C	
			6	17-Estradiol, Caffeine, NDMA, Triclosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

RECEIVED
FEB 10 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	02/10/20	12:00 pm
Received by	Juan Vasquez	Juan Vasquez (PCL)	02/10/20	12:00 pm
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	02/10/20	1:40 pm
Received by				
Relinquished by				
Received in lab by		Alex Valencia	2/10/20	1420

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Feb-20 16:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0172-01) Collected: 07-Feb-20 By CA						
pH	SM 4500H-B	AB00827	0.1	07-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00720	0.05	07-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00710	1.8	09-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00710	1.8	09-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0172

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Chu	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/07/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59/21.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 07 2020
By CW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Chu	Carlos Alvarez (CPL)	02/07/20	11:57am
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/7/20	11:57am
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	2/7/20	2:00pm
Received by				
Relinquished by				
Received in lab by	Alex Walker Jr	Alex Walker Jr	2/7/20	1410

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or her heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall be apart of PCL and the Client shall have executed a mutually agreement in writing which does not accept on the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written letter of inquiry (LOI) to PCL. Any such order shall be subject to acceptance by the client of PCL's offer to do business with the client under the terms and condition and in an agreement to be included in these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract except upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished to PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of a professional in the profession services applicable. PCL will use analytical methods that are substantially consistently with the U.S. Environmental Protection Agency (EPA), Dr. Water and (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from those methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition 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 samples materials provided by client or on client's behalf and the results obtained by PCL shall be held in confidence. Client agrees that no report is to be made available to the public or the public domain. Client further agrees to pay PCL for all services rendered at its reference in respect of the agreement irrespective of any provisions supported by law or legal policies. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for circumstances or occurrence of incidents which could not reasonably have been foreseen or prevented by PCL. Client shall not disclose the results of tests provided hereunder, or use the name, trademark, logo or trade name of PCL or any of its employees, agents or affiliates, in any manner without the prior written consent of PCL.

10. Hold Harmless

Client undertakes to hold, save, indemnify, defend and keep PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and costs of every nature, including attorneys' fees, in any way arising from, relating to, or connected with any act or failure to act by Client or any third party, as a result of, or in connection with the performance of services by PCL pursuant to this agreement and in connection herewith, harming or injuring persons or property (including injury to employees of Client or PCL), or death of persons, or violation of any law, rule or regulation of any governmental agency or authority, or any breach of this agreement by Client. This indemnity shall not apply to any actual or negligent acts, omissions, fraud or misconduct of PCL, its employees. Further, this indemnity shall apply to all claims, losses, liabilities, damages, costs, fees and expenses arising out of or resulting from the performance of services by PCL pursuant to this agreement and in connection herewith, including negligence, strict liability, or breach of warranty, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnity shall apply whether or not any liability is asserted or imposed by reason of any alleged acts, omissions, fault, negligence or other conduct of PCL or its employees, agents or subcontractors, and shall apply to any claims, losses, liabilities, damages, costs, fees and expenses arising out of or resulting from the sole or joint negligence of PCL or its employees, agents or subcontractors. To the extent required by law, Client agrees that its indemnity obligations hereunder will be supported by any client liability insurance coverage in force and effect at the time of the loss. Client shall name PCL as an additional insured under such insurance policies and shall provide PCL with certificates of insurance evidencing such coverage. Client's liability hereunder shall not be limited to the amounts of insurance coverage required herein. Client agrees that its indemnity obligations hereunder will apply to any claims, losses, liabilities, damages, costs, fees and expenses arising out of or resulting from the sole or joint negligence of PCL or its employees, agents or subcontractors, including, without limitation, attorneys' fees, expert fees, court costs, judgments, settlements, or any other expenses incurred, directly or indirectly, by any third party, including, without limitation, any claims, losses, liabilities, damages, costs, fees and expenses asserted against or incurred by PCL by reason of tort (including negligence and gross negligence), or breach of contract by Client, whether or not any act or omission on the part of Client or its employees, agents or subcontractors was deemed to be the primary cause of any such damages, costs, fees or expenses, and whether or not PCL was deemed to be jointly or concurrently negligent with Client or its employees, agents or subcontractors. Client's indemnity obligations hereunder shall not be limited by any limitation on the amount or type of damages, compensation or benefits payable by or for Client under any workers' compensation acts, disability benefit acts or other employee benefit acts. Client's indemnity obligations hereunder shall survive the termination of this agreement.

11. Hazardous Substances

Client is to perform the services requested by client, client will provide any PCL will receive samples and only for analysis, such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, articles and substances which are defined, designated or classified as hazardous or toxic waste by federal, state or local law. PCL agrees to receive such samples only upon the express written agreement of Client that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify in writing the 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 microbiological analysis shall 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 agreement or the date the invoice was rendered or work prior quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security may be required at the discretion of PCL. Upon establishment of credit terms of payment and if a credit account has been opened with PCL, it is the client's responsibility to notify PCL of any changes. The terms for payment of charges are net 30 days from date of invoice. To the fullest extent permitted by law, a late charge of 1.5% per month (or the highest rate permitted by law, if less) shall be added to any amount unpaid 30 days after the date of the invoice. In addition, the client shall pay all costs of collection, including attorneys' fees or costs. Time is of the essence with respect to payment.

13. Agreement Modification

Changes to this agreement are permissible only if they are in writing and executed by an officer of PCL and by one duly authorized representative of the client. Any additional or modified terms are void.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall not be responsible for, advise on, or have any duty of any kind or data, information or reports furnished to PCL, Client's sampling services, knowledge for the work actually and not as agent, employee or any other representative created by or with other person to Client. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on work, data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to solicit work, in connection with or as part of, the preparation, underwriting, or distribution of any prospectus, circular, or other recording, or the placement of any securities, the issuing, underwriting, or sale of any securities, the solicitation of any financial or investment offer, or as the justification or as to any other matter, directly or indirectly, any proposed sale, lease or mortgage.

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 actions that are beyond our control or where client's samples were received with holding times already expired. Standard holding times and any special conditions required to preserve and transport samples to be received by PCL. A list of holding times can be supplied to the client's request. All analyses with holding times of 72 hours or less, samples must arrive within 24 hours to allow PCL to meet holding times without incurring a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before noon in order to ensure that the holding times can be met. Short holding times of 48 hours or less require 24 hours prior notification that same day or prior to submission. Many times are met. After hours, late delivery, freight company delays of similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are effective as of the date/time of delivery and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Samples storage for longer periods is by request only. The arranged long term storage is subject to an additional charge. Samples will be returned at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Feb-20 16:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0187-01) Collected: 08-Feb-20 By MA						
pH	SM 4500H-B	AB00925	0.1	08-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00926	0.05	09-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00826	1.8	10-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00826	1.8	10-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0187

Customer: IPC - Integrated Performance Consultants, Inc		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/8/20	9:37	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	2/8/20	12:30
Received by	Alex Walker Jr.	2/8/20	12:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/5/20	15:25

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; 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 lesser benefit which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or servicing services and hires its clients, employees, 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 will retain as an independent contractor to perform all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following "General Terms and Conditions" (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's statement 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-Waterboards (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client's purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and oral advice rendered by a party ("client") to all others (including results provided by PCL) shall be held in confidence unless such information is generally available to the public or the public domain or client has filed to pay PCL for all services 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 information to preserve the confidentiality of client's data, which standard of care shall not be less than a reasonable standard of care. Client agrees that PCL may disclose client's identity and information as may be required by any governmental agency, including information relating to samples, analyses, and/or results.

10. Hold Harmless

Client indemnifies and holds PCL, its officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all actions, losses or damages (fines, demands, causes of action, costs and expenses including reasonable attorneys' fees) limited to all such fees that client cannot recover and amounts arising in favor of client or any third party as a result of, relating to or resulting in whole or in part out of or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials. If more than one method (pursuant to 2. b.) is specified for any of the tests, or if no method is specified, PCL will use its discretion in selecting the method and PCL will not be liable for any losses, claims, damages or expenses arising out of any decision made or action taken by PCL in reliance upon any such specified method. Client shall indemnify, defend and hold harmless PCL and its subsidiaries, affiliates, officers, directors, agents, employees and shareholders from and against any and all claims, demands, causes of action, damages, losses, costs, liabilities, expenses and judgments of every kind and character arising out of or in connection with the engagement between client and PCL and/or any services performed by PCL on behalf of client or any actual or alleged use of PCL's data, reports or test results by client or any unauthorized person, whether or not caused in whole or in part by the negligence of PCL or any indemnified person, including without limitation, legal or professional fees incurred by the indemnified persons in connection with any investigation, litigation, arbitration, mediation or other proceeding, without limitation, attorney's fees, court costs, and the cost of pre-judgment interest, in addition to any expenses or costs incurred by such indemnified party, from litigation against or involving PCL or any indemnified person in connection with this agreement or as between the parties under this agreement as set forth in 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, battery or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as hazardous, toxic, or otherwise subject to PCL policies or regulations (hereafter "Hazardous Materials"). Client understands and agrees that any Hazardous Material, whether PCL knows client or all client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's (DHS)' policies. In the event the client does not specify its particular method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic/anaerobic analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Unless otherwise agreed to in writing by Client, the prices quoted shall be those in effect at the time of acceptance of the order by the PCL. The services are rendered or work is performed and other performed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security may be required for all new clients. Credit terms, if extended, shall be net 30 days from invoice date. Any account not paid within 30 days from invoice date shall be subject to a late charge of one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through a collection agency or by attorney, the client shall pay collection costs and attorney's fees in addition to the amount due. Client shall be responsible for all taxes, tariffs or duties.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by authorized PCL and by client's authorized representative. Verbal instructions for additional services may be given but not binding.

14. No Third Party Beneficiaries: No Right of Reliance

PCL assumes no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is solely responsible for his own actions, and not in reliance on PCL, or any other representations, by any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that client data, information, and report (client data) requested, or shall be used by client, in connection with or as part of, the purchase, sale, refinancing, or collateralization of any securities, any periodic or other reporting to the holders of any securities, the issuance, amendment, renewal, or extension of any loan that are financial institutions or other lenders or investors, or otherwise connecting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance if, for any unforeseen reason, the work cannot be completed in the normal time will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples received improperly or inadequately preserved or insufficient in quantity, or improperly shipped, stored or handled by others. Standard holding times and storage conditions should be reviewed prior to any sampling reviewed by PCL. A list of holding times can be provided to the client if requested. For analytes with holding times of 24 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, or less) must arrive at the lab within 24 hours. When appropriate, it is required that the holding times can be met. If the holding time will be exceeded in the lab, PCL will notify client prior to analysis unless otherwise instructed. After hours, late delivery, freight company delays or similar issues are subject to additional service fees and/or the inability to meet holding times. All holding times are as stated as of the publication date of this fee schedule, and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. For prolonged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been indicated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Feb-20 16:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0191-01) Collected: 09-Feb-20 By VA						
pH	SM 4500H-B	AB00929	0.1	09-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00928	0.05	09-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00924	1.8	11-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00924	1.8	11-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0191

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/9/20	10:08	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	2/9/20	10:08
Received by		Alex Walker Jr	2/9/20	10:08
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	2/9/20	12:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts and shall act as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 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 in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this 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 [illegible] disclosure of such data where such standard was observed. PCL reports and information provided to client are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning the format of information, software, proprietary or other information.

10. Hold Harmless

Client releases and shall defend, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses including, but not limited to all court fees, [illegible] and expenses arising [illegible] Client or any third party as a result of, and/or in any way arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to the agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, 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 [illegible] apply to losses, claims, demands, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnity 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 adequate 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 the agreement or services provided under this agreement [illegible] 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 materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). 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 bacteria 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 invoice. To the fullest extent permitted [illegible] 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 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 of 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 or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic securities 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 reasons, the rush turn around 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 [illegible] days 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 [illegible] 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 [illegible] on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

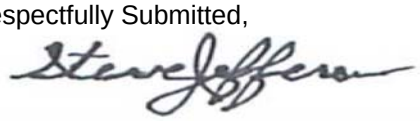
Attention: Ric Vardel
Report Date: 16-Feb-20 16:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0201-01) Collected: 10-Feb-20 By CA						
pH	SM 4500H-B	AB01236	0.1	10-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01135	0.05	11-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01027	1.8	12-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01027	1.8	12-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0201

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/10/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.63/20.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZBC)	02/10/20	12:00pm
Received by		Juan Vasquez (PCL)	02/10/20	12:00pm
Relinquished by		Juan Vasquez (PCL)	02/10/20	2:40pm
Received by				
Relinquished by				
Received in lab by		Alexhallmark Jr	2/10/20	1248

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Feb-20 16:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0229-01) Collected: 11-Feb-20 By CA						
pH	SM 4500H-B	AB01236	0.1	11-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01237	0.05	12-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01138	1.8	13-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01138	1.8	13-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0229

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/11/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 20.2 °C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (PCL)	02/11/20	12:45pm
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/11/20	12:45pm
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	2/11/20	14:11
Received by				
Relinquished by				
Received in lab by		Alex Wardle	2/	1405

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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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LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Feb-20 14:55
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0274-01) Collected: 11-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB01310	2	18-Feb-20 (RM)	512 mg/l	
Total Suspended Solids	SM2540D	AB01311	1	13-Feb-20 (EA)	294 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0274

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	02/11/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.3 / 17.9
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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FEB 12 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PL)	02/12/20	1:00
Received by		Cindy Martinez	2/12/20	1:00
Relinquished by		Cindy Martinez	2/12/20	2:25
Received by				
Relinquished by				
Received in lab by		Alex Walker	2/12/20	1536

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 16-Feb-20 16:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0267-01) Collected: 12-Feb-20 By CA						
pH	SM 4500H-B	AB01307	0.1	12-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01308	0.05	13-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01234	1.8	14-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01234	1.8	14-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0267

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. Q.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	02/12/20	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6/14.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

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FEB 12 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Q.	Carlos Alvarez (IPC)	02/12/20	1:00
Received by:	Cindy Martinez	2/12/20	1:00
Relinquished by:	Cindy Martinez	2/12/2020	2:25
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	2/12/20	1457

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Feb-20 15:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0275-01) Collected: 12-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB01314	0.10	13-Feb-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB01730	0.10	20-Feb-20 (LA)	0.88 mg/l	
Total Suspended Solids	SM2540D	AB01311	1	13-Feb-20 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AB01235	0.02	12-Feb-20 (LA)	1.85 mg/l	
Nitrite as N	EPA 353.2	AB01235	0.02	12-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0275-02) Collected: 11-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB01310	2	18-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/20/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0275

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	02/12/20	1205	1	TSS	Grab	AQ	1L P	4°C	7.7/16.0
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	02/11/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/12/20	1:00
Received by		Cindy Martinez (PCL)	2/12/20	1:00
Relinquished by		Cindy Martinez (PCL)	2/12/2020	2:25
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/12/20	1538

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 16-Feb-20 16:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0293-01) Collected: 13-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB01411	0.1	13-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01414	0.05	14-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01306	1.8	15-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01306	1.8	15-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0293

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/13/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCi									
Global ID: WDR100000359									

RECEIVED
FEB 13 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/13/20	11:30
Received by		Jairo Monjivar	2/13/20	1:15 PM
Relinquished by		Jairo Menjivar	2/13/20	3:00 PM
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/13/20	1426

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
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 - $CuSO_4$

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Feb-20 11:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0322-01) Collected: 14-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB01518	0.1	14-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01517	0.05	15-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01410	1.8	16-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01410	1.8	16-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0322

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/14/20	1310	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/14/20	13:10
Received by		Juan Vasquez (PCL)	2/14/20	13:10
Relinquished by		Juan Vasquez (PCL)	2/14/20	13:58
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/14/20	1543

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Feb-20 14:43
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0333-01) Collected: 15-Feb-20 By MA						
pH	SM 4500H-B	AB01528	0.1	15-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01529	0.05	15-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01516	1.8	17-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01516	1.8	17-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0333

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/15/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/15/20	1030
Received by		Alex Walker Jr	2/15/20	1030
Relinquished by		Alex Walker Jr	2/15/20	12:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	2/15/20	12:30

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli)- bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Feb-20 14:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0339-01) Collected: 16-Feb-20 By VA						
pH	SM 4500H-B	AB01823	0.1	16-Feb-20 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01732	0.05	17-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01616	1.8	18-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01616	1.8	18-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0339

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: VICTOR ARIKIAN	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/16/20	09:31	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Geotracker EDD:
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Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	2/16/20	09:31
Received by	Alex Walker Jr	2/16/20	10:48
Relinquished by	Alex Walker Jr	2/16/20	1400
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/16/20	1423

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 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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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0352-01) Collected: 17-Feb-20 By CA						
pH	SM 4500H-B	AB01823	0.1	17-Feb-20 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01824	0.05	18-Feb-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01734	1.8	19-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01734	1.8	19-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0352

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/17/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/17/20	1230
Received by	EG	Carlos (CPC)	2.17.20	1230
Relinquished by	EG	Carlos (CPC)	2-17-20	1330
Received by				
Relinquished by				
Received in Lab by		Alex Walker JR	2/17/20	1250

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0381-01) Collected: 18-Feb-20 By CA						
pH	SM 4500H-B	AB01920	0.1	18-Feb-20 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01927	0.05	19-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01833	1.8	20-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01833	1.8	20-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0381

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/18/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	1	1	1						

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/18/20	1230
Received by			2-18-20	1230
Relinquished by			2-18-20	1350
Received by				
Relinquished by				
Received in lab by			2/18/20	1441

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 08-Mar-20 15:30
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0431-01) Collected: 18-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02019	2	25-Feb-20 (RM)	410 mg/l	
Total Suspended Solids	SM2540D	AB02118	1	21-Feb-20 (EA)	226 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0431

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	02/18/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.2 / 14.2 °C
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/19/20	1:30
Received by		Cindy Martinez	2/19/20	1:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/19/20	1540

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0425-01) Collected: 19-Feb-20 By CA						
pH	SM 4500H-B	AB02014	0.1	19-Feb-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02013	0.05	20-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01924	1.8	21-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01924	1.8	21-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0425

Customer: ~~IPC, Inc.~~ **(MCC) Daily EFF**
~~9297 Research Drive~~
Address: Irvine CA 92618

Project :

Sampled by: [signature]

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	02/19/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7/20.1 °C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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FEB 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (PCL)	02/19/20	1:30
Received by	[signature]	Cindy Martinez (PCL)	2/19/20	1:30
Relinquished by	[signature]	Cindy Martinez	2/19	14:35
Received by				
Relinquished by				
Received in lab by	[signature]	Alex Valencia Jr	2/19/20	1454

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:12
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0432-01) Collected: 19-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB02422	0.10	25-Feb-20 (SS)	0.18 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB02424	0.10	25-Feb-20 (LA)	0.64 mg/l	
Total Suspended Solids	SM2540D	AB02118	1	21-Feb-20 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AB02016	0.02	20-Feb-20 (LA)	2.19 mg/l	
Nitrite as N	EPA 353.2	AB02016	0.02	20-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0432-02) Collected: 18-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02019	2	25-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0432

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. D.
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/19/20	1110	1	TSS	Grab	AQ	1L P	4°C	7.6 / 20.3 °C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/18/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/19/20	1:30
Received by			2/19/20	1:30
Relinquished by		Cindy Mapping	2/19/2014:35	
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr.	2/19/20	1542

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0471-01) Collected: 20-Feb-20 By CA						
pH	SM 4500H-B	AB02024	0.1	20-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02023	0.05	20-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02012	1.8	22-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02012	1.8	22-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0471

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/20/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/20/20	11:15
Received by		Jairo Menjivar	2/20/20	12:45pm
Relinquished by		Jairo Menjivar	2/20/20	15:15
Received by				
Relinquished by				
Received in lab by		Alex Wamson	2/20/20	1605

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:42
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0512-01) Collected: 21-Feb-20 By CA						
pH	SM 4500H-B	AB02228	0.1	21-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02230	0.05	22-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02115	1.8	23-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02115	1.8	23-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0512

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/21/20	1154	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/21/20	12:20
Received by		Juan Vasquez	2/21/20	12:20
Relinquished by		Juan Vasquez (PCL)	2/21/20	13:25
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/21/20	1502

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0533-01) Collected: 22-Feb-20 By MA						
pH	SM 4500H-B	AB02236	0.1	22-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02235	0.05	22-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02227	1.8	24-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02227	1.8	24-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2080533

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Mario Aguirre	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/22/20	9:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:00	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/22/20	1105
Received by		Alex Walkenjo	2/22/20	1105
Relinquished by		Alex Walkenjo	2/22/20	1325
Received by				
Relinquished by				
Received in lab by		Alex Walkenjo	2/22/20	1325

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab, Comp	HC - HCl
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	

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0537-01) Collected: 23-Feb-20 By VA						
pH	SM 4500H-B	AB02641	0.1	23-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02425	0.05	24-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02318	1.8	25-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02318	1.8	25-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0537

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/23/20	10:14	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

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By

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	2/23/20	10:14
Received by	Alex Walker for	2/23/20	1014
Relinquished by	Alex Walker	2/23/20	1320
Received by			
Relinquished by			
Received in lab by	Alex Wan	2/24/20	1257

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0546-01) Collected: 24-Feb-20 By CA						
pH	SM 4500H-B	AB02641	0.1	24-Feb-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02425	0.05	24-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02426	1.8	26-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02426	1.8	26-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0546

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/24/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/24/20	1140
Received by	EC	Erwin C	2.24.20	0/200
Relinquished by	EC	Erwin C	2-24-20	1300
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/24/20	1258

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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San Fernando, CA 91340
(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 15:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0584-01) Collected: 25-Feb-20 By CA						
pH	SM 4500H-B	AB02641	0.1	25-Feb-20 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02640	0.05	26-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02545	1.8	27-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02545	1.8	27-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0584

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/25/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.09/22.3?
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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FEB 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/25/20	13:10
Received by		Alexander Ochoa (CPL)	2/25/20	13:10
Relinquished by		Alexander Ochoa (CPL)	2/25/20	14:55
Received by				
Relinquished by				
Received in lab by		Alex Waldman Jr	2/25/20	1522

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:01
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0614-01) Collected: 26-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02716	0.1	26-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02717	0.05	27-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02639	1.8	28-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02639	1.8	28-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0614

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	02/26/20	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54/19.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 26 2020
By CW

Geotracker EDD.
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	02/26/20	13:30
Received by		Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by		Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/26/20	1439

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	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.

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:29
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0633-01) Collected: 26-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB02713	0.10	27-Feb-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB02711	0.10	28-Feb-20 (LA)	0.67 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	28-Feb-20 (LA)	2.86 mg/l	
Total Suspended Solids	SM2540D	AB02714	1	27-Feb-20 (SS)	<1 mg/l	
Nitrate as N	EPA 353.2	AB02712	0.02	27-Feb-20 (LA)	2.18 mg/l	
Nitrite as N	EPA 353.2	AB02712	0.02	27-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0633-02) Collected: 25-Feb-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AB02719	2	03-Mar-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0633

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Dunn	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field ~~Lab~~
EFF	02/26/20	1155	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	7.77/17.5°C
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/25/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dunn	Carlos Alvarez (IPC)	02/26/20	13:30
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by	Juan V.	Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by	Alex Walton	Alex Walton (PCL)	2/26/20	1620

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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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

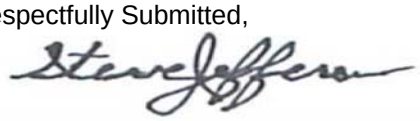
Attention: Ric Vardel
Report Date: 08-Mar-20 15:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0627-01) Collected: 26-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02719	2	03-Mar-20 (RM)	312 mg/l	
Total Suspended Solids	SM2540D	AB02714	1	27-Feb-20 (SS)	278 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0627

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) INF - Weekly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
INF	02/25/20	0000	1	TSS	Grab	AQ	1L P	4°C	7.56/20.9°C
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PAC)	02/26/20	13:30
Received by		Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by		Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by		Alex Wallentin	2/26/20	1548

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:03
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0665-01) Collected: 27-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02728	0.1	27-Feb-20 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02731	0.05	28-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02715	1.8	29-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02715	1.8	29-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0665

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C.	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/27/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	7.81/23.9°

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Arana (CA)	02/27/20	11:20
Received by		Juan Vasquez (PCL)	2/27/20	11:20
Relinquished by		Juan Vasquez (PCL)	2/27/20	1610
Received by				
Relinquished by				
Received in lab by				1556

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:07
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0692-01) Collected: 28-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02903	0.1	28-Feb-20 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02902	0.05	29-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02812	1.8	01-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02812	1.8	01-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0692

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/28/20	1235	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.05/20.9°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CPC)	02/28/20	1355
Received by	MARIO SANTIESTEBAN (PCL)	2/28/20	1355
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	2/28/20	1502 ~~1355~~

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Mar-20 16:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0704-01) Collected: 29-Feb-20 By Mario Aguirre						
pH	SM 4500H-B	AB02909	0.1	29-Feb-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02910	0.05	29-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02901	1.8	02-Mar-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02901	1.8	02-Mar-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20B0704

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/29/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/29/20	1035
Received by	Jose L Gomez	Jose L Gomez	2/29/20	1035
Relinquished by	Jose L Gomez	Jose L Gomez	2/29/20	1140
Received by				
Relinquished by				
Received in lab by		Alex Walker JR	2/29/20	11:40

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO -Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-20 15:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0003-01) Collected: 01-Mar-20 By Mario Aguirre						
pH	SM 4500H-B	AC00433	0.1	01-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00225	0.05	02-Mar-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00129	1.8	03-Mar-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00129	1.8	03-Mar-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000003

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** VICTOR ARIKIAN **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/1/2020	09:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAR 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	3/1/20	09:43
Received by	Jose L Gomez	3/1/20	1020
Relinquished by	Jose L Gomez	3/1/20	1120
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	3/1/20	1120

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-20 15:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0020-01) Collected: 02-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00433	0.1	02-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00327	0.05	03-Mar-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00232	1.8	04-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00232	1.8	04-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0020

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/02/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 14.7
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/02/20	11:43
Received by		Cindy Mapstone	3/2/20	11:43
Relinquished by		Cindy Mapstone	3/2/20	14:05
Received by				
Relinquished by				
Received in lab by		Alex Walker JL	3/2/20	1572

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-20 15:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0055-01) Collected: 03-Mar-20 By CA						
pH	SM 4500H-B	AC00433	0.1	03-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00435	0.05	04-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00331	1.8	05-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00331	1.8	05-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0055

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	C.D.
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/03/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.30/22.9°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	03/03/20	12:35
Received by		Armando Ochoa (PCL)	3/3/20	12:35
Relinquished by		Armando Ochoa (PCL)	3/3/20	15:17
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/3/20	1527

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	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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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-20 18:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0109-01) Collected: 03-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC00536	2	10-Mar-20 (SS)	37 mg/l	
Total Suspended Solids	SM2540D	AC00537	1	06-Mar-20 (EA)	280 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0109

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. D.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
INF	03/03/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.87 / 16.9°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/20	17:30
Received by		Armando Ochoa (Ontex)	3/4/20	17:30
Relinquished by		Armando Ochoa (Ontex)	3/4/20	15:30
Received by				
Relinquished by				
Received in lab by		Alex Valencia Jr	3/4/20	1541

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-20 15:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0099-01) Collected: 04-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00534	0.1	04-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00444	0.05	04-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00432	1.8	06-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00432	1.8	06-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0099

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/04/20	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.28 / 21.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (IPC)	03/04/20	17:30
Received by		Mustafa Ortiz (Fedex)	3/4/20	11:30
Relinquished by		Mustafa Ortiz (Fedex)	3/4/20	16:18
Received by				
Relinquished by				
Received in lab by		Alex Warren Jr	3/4	1927

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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

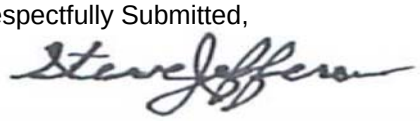
Attention: Ric Vardel
Report Date: 13-Mar-20 18:21
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0108-01) Collected: 04-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC00608	0.10	06-Mar-20 (SS)	0.15 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC00921	0.10	10-Mar-20 (LA)	0.21 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	10-Mar-20 (LA)	2.24 mg/l	
Total Suspended Solids	SM2540D	AC00537	1	06-Mar-20 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AC00531	0.02	05-Mar-20 (LA)	1.98 mg/l	
Nitrite as N	EPA 353.2	AC00531	0.02	05-Mar-20 (LA)	0.05 mg/l	
EFF (Sample I.D.# : 20C0108-02) Collected: 03-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC00536	2	10-Mar-20 (SS)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0108

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. D	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/04/20	1255	1	TSS	Grab	AQ	1L P	4°C	7.37/19.6°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	03/03/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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RECEIVED MAR 04 [illegible] By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/20	12:30
Received by		Ammaro Ames (Pat)	3/4/20	13:30
Relinquished by		Ammaro Ames (Pat)	3/4/20	15:30
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr	3/4/20	1537

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-20 15:27
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0123-01) Collected: 05-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00542	0.1	05-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00545	0.05	05-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00533	1.8	07-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00533	1.8	07-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0123

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36 / 18.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CRC)	03/05/20	17:15
Received by	Armando Ochoa (IPC)	3/5/20	17:15
Relinquished by	Armando Ochoa (IPC)	3/5/20	15:00
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	3/5/20	1413

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 24-Mar-20 16:48
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0134-01) Collected: 05-Mar-20 By CA						
Boron	EPA 200.7	AC00606	0.10	11-Mar-20 (AF)	0.32 mg/l	
MBAS	SM 5540 C	AC00604	0.05	06-Mar-20 (PL)	<0.05 mg/l	
Oil & Grease (HEM)	EPA 1664A	AC00616	5	11-Mar-20 (SC)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AC01725	0.02	18-Mar-20 (LA)	0.11 mg/l	
Total Dissolved Solids	SM 2540C	AC00836	5	11-Mar-20 (RM)	904 mg/l	
Chloride	EPA 300.0	AC00838	1.0	10-Mar-20 (RM)	222 mg/l	
Sulfate as SO4	EPA 300.0	AC00838	0.5	10-Mar-20 (RM)	139 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0134

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/20	1130	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.37 / 21.0°C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 05 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (APC)	03/05/20	12:15
Received by	Armando Ortiz (Patcem)	3/5/20	12:15
Relinquished by	Armando Ortiz / Patcem	3/5/20	15:00
Received by			
Relinquished by			
Received in lab by	Alex Wardlaw Jr.	3/5/20	1500

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 13-Mar-20 17:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0153-01) Collected: 06-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00705	0.1	06-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00706	0.05	07-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00609	1.8	08-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00609	1.8	08-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0153

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/06/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/06/20	12:05
Received by		Juan Vasquez (PCL)	3/6/20	1205
Relinquished by		Juan Vasquez (PCL)	3/6/20	13:20
Received by				
Relinquished by				
Received in lab by		Alex Wu/Kevin Le	3/6/20	1350

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-20 18:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0170-01) Collected: 07-Mar-20 By Mario Aquirre						
pH	SM 4500H-B	AC00834	0.1	07-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00833	0.05	08-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00704	1.8	09-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00704	1.8	09-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000170

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/7/20	9:53	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
MAR 07 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	3/7/20	1431
Received by	Alex Walkuski	3/7/20	1431
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walkuski	3/7/20	1605

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-20 18:16
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0174-01) Collected: 08-Mar-20 By VA						
pH	SM 4500H-B	AC01132	0.1	08-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00922	0.05	09-Mar-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00832	1.8	10-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00832	1.8	10-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000174

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/8/2020	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 08 2020
RM
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/8/20	09:35
Received by		RM PCL	3/8/20	1700
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/8/20	1811

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Mar-20 18:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0191-01) Collected: 09-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01132	0.1	09-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00922	0.05	09-Mar-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00919	1.8	11-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00919	1.8	11-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0191

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. Ramos	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03/01/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6/16.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ramos	Carlos Alvarez	03/09/20	12:00
Received by	Juan V.	Juan Vasquez (PCL)	03/9/20	12:00
Relinquished by	Juan V.	Juan Vasquez (PCL)	3/9/20	12:55
Received by				
Relinquished by				
Received in lab by	Alex Walker	Alex Walker	3/9/20	1414

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Mar-20 15:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0230-01) Collected: 10-Mar-20 By JL						
pH	SM 4500H-B	AC01132	0.1	10-Mar-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01135	0.05	11-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01033	1.8	12-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01033	1.8	12-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0236

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** JULIO LEAL	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	03-10-20	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7-19 / 16.8
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	3-10-20	13:30
Received by	[illegible]	3/10/20	13:30
Relinquished by	[illegible]	3/10/20	14:35
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	3/10/20	15:15

Sample Received Checklist

Temperature upon receipt: 4 °c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the 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 may use the same standard of care it uses to protect 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 [illegible] third party [illegible] of such reports, data or information. Client will not disclose to any third party any [illegible] information, software [illegible] or other [illegible].

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, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way arising, 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, 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 to the extent damages or losses 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 [illegible] in addition to any indemnity 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 the like) or post judgment interest, or any other expenses or costs incurred by client or any of its affiliates in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement in any claim by 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 have 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 (30) within thirty (30) days from date of invoice. 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 lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or sheriff's fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any 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 turn around 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 hours or received without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 24 hours or less (Bacteria 6-8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-20 15:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0278-01) Collected: 11-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01150	0.1	11-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01146	0.05	11-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01131	1.8	13-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01131	1.8	13-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0278

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/11/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/11/20	1245
Received by		Eva Evans	3/11/20	1245
Relinquished by		Eva Evans	3/11/20	1320
Received by				
Relinquished by				
Received in lab by		Alex Walker	3/11/20	1355

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	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

"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 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. 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 Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from 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 than 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 [illegible] generally available to the public [illegible] client [illegible] the agreement [illegible] required by law or legal process [illegible] [illegible] of such data [illegible] [illegible] PCL reports [illegible] [illegible] other [illegible] information.

10. Hold Harmless

Client releases and shall defend, indemnify, 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 [illegible] [illegible] [illegible] awards arising in favor of [illegible] any third party [illegible] [illegible] [illegible] [illegible] [illegible] or loss of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] of PCL or its employees [illegible] [illegible] [illegible] [illegible] [illegible] performance of services under this agreement [illegible] under this agreement [illegible].

11. Hazardous Substances

For PCL to perform the services required [illegible] client [illegible] [illegible] PCL [illegible] sample materials for analyses such as [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ("Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL [illegible] [illegible] shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of [illegible] 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 normal sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis [illegible] charged a sample disposal fee, [illegible] [illegible] 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 [illegible] on the date the services were [illegible] [illegible] [illegible] [illegible] in writing. The price schedule is subject to change at any time without notice. Payment in advance or [illegible] [illegible] [illegible] for all new clients [illegible] [illegible] [illegible] has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET [illegible] thirty (30) days from date of invoice. To the fullest extent permitted [illegible] will be [illegible] [illegible] [illegible] thirty (30) days [illegible] [illegible] at the [illegible] [illegible] [illegible] one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

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 placed in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely [illegible] responsible for his own [illegible] and not [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used or relied upon in connection with any part of the purchase, sale, underwriting, or distribution of any securities [illegible] [illegible] or other securing to the holders of any security, the [illegible] [illegible] renewal, or extension of any loan from any financial institution or other lender or the justification 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 [illegible] [illegible] [illegible] [illegible] the rush turnaround time cannot be met, the [illegible] [illegible] [illegible].

16. Holding Times

PCL cannot be responsible for holding times that are [illegible] because of samples that are delivered on weekends or other days on overdays without prior notification and [illegible]. 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 48 hours or less, samples must arrive within 48 hours to allow PCL to meet holding times without incurring a rush surcharge. All short holding times [illegible] samples must arrive at the lab within 24 hours [illegible] [illegible] to ensure that the holding times can be met. Short holding times of 48 hours or less [illegible] [illegible] hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, courier 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 included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may be 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: 24-Mar-20 16:52
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF - Grab (Sample I.D.# : 20C0282-01) Collected: 11-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC01532	0.10	16-Mar-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC01317	0.10	13-Mar-20 (LA)	1.12 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	13-Mar-20 (LA)	2.72 mg/l	
Total Suspended Solids	SM2540D	AC01224	1	13-Mar-20 (EA)	1 mg/l	
Nitrate as N	EPA 353.2	AC01130	0.02	11-Mar-20 (SS)	1.57 mg/l	
Nitrite as N	EPA 353.2	AC01130	0.02	11-Mar-20 (SS)	0.03 mg/l	
EFF - Composite (Sample I.D.# : 20C0282-02) Collected: 10-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01223	2	17-Mar-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0282

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Ale	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/11/20	1155	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	03/10/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ale	Carlos Alvarez (IPC)	03/11/20	1245
Received by	Ele	Evan G (PCL)	3/11/20	1245
Relinquished by	Ele	Evan G (PCL)	3.11.20	1320
Received by				
Relinquished by				
Received in lab by	Alex Lam Jr		3/11/20	1409

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and lease its fleets, accessories, vessels and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) solely and only 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 these Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may, orally, (and/or by submitting a written Letter of Custody (LOC) to PCL), any such order constitutes an acceptance by the Client of PCL's offer to do business with the Client under the Terms and Conditions and Client agrees to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to have become a part of the contract created upon acceptance of the terms and conditions.

For purposes of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are substantially consistent with the U.S. Environmental Protection Agency (USEPA), CA Waterboards (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and the proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the Client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the specific and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable price schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

[illegible]

10. Hold Harmless

[illegible]

11. Hazardous Substances

[illegible]

12. Prices/Payments

[illegible]

13. Agreement Modification

[illegible]

14. No Third Party Beneficiaries: No Right of Reliance

[illegible]

15. Rush Analysis

[illegible]

16. Holding Times

[illegible]

17. Sample Retention

[illegible]

18. Sample Pick Up/Field Tech Sampling

[illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 24-Mar-20 16:57
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0280-01) Collected: 11-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01223	2	17-Mar-20 (RM)	468 mg/l	
Total Suspended Solids	SM2540D	AC01224	1	13-Mar-20 (EA)	258 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000280

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Chan	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/10/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 11 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PAC)	03/11/20	1245
Received by			3/11/20	1245
Relinquished by			3/11/20	1320
Received by				
Relinquished by				
Received in lab by		Alex Walker JR	3/11/20	1406

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including on sampling locations and has its principals, 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 Subsidiary / consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of this contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of work utilized in the profession. Where applicable, PCL will use analytical methods which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) for the examination of water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from those methodologies as necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a case by case basis with the recognition and knowledge of the industry and/or PCL standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the payment amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the involved amount for the services, notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected in, for conditions in and about the sampling site and for advising PCL of the same and all information requested to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern on the issuance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

[illegible] and the results obtained in the course of PCL's performance of the services hereunder shall be kept confidential by PCL except as otherwise required by law or legal process. PCL shall use the same standard of care as it employs to protect its own confidential information, but shall not be responsible for unauthorized disclosure of such information unless PCL reports any unauthorized disclosure promptly after discovery and takes reasonable steps to retrieve the information. Client agrees that the foregoing shall not apply to any information that is or becomes publicly available without breach of this agreement by PCL or that PCL receives from a third party without restriction and without breach of any confidentiality obligation. Client agrees that PCL may disclose information as required by law or legal process, including in response to a subpoena or other legal process.

10. Hold Harmless

Client agrees to indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries, partners, licensors, successors, assigns and attorneys harmless from and against any and all claims, actions, damages, liabilities, costs, expenses, losses and reasonable attorneys' fees caused by or resulting from any act or omission of Client, its employees, agents or representatives in connection with the performance of PCL's services hereunder, including any claims by third parties for injuries, illnesses or death of persons or damage to property. Client shall not be liable for any claims, liabilities or expenses to the extent that they arise from PCL's gross negligence or willful misconduct. Client agrees to defend, indemnify and hold harmless PCL and its employees, officers, directors, agents, affiliates, subsidiaries, partners, licensors, successors, assigns and attorneys from and against any and all claims, actions, suits, proceedings, costs, expenses, damages and liabilities, including reasonable attorneys' fees, arising out of, or relating to, any third party claim alleging that PCL's use of any information, materials or instructions provided by Client, or PCL's performance of services in accordance with Client's specifications, infringes or misappropriates the intellectual property rights of a third party. Client agrees that PCL shall not be responsible for any loss, delay or damage resulting from the inadequacy or inaccuracy of information or instructions provided by Client, including without limitation, incomplete or inaccurate chain of custody documentation or sample labeling. Client agrees that PCL's aggregate liability to Client for any and all claims, losses, expenses or damages whatsoever arising out of or in any way related to the services provided hereunder, including but not limited to those arising out of any breach of this agreement or any tort, shall in no event exceed the total amount paid by Client hereunder for the services giving rise to the liability. In no event shall PCL or its employees, officers, directors, agents, affiliates, subsidiaries, partners, licensors, successors or assigns be liable to Client for any consequential, incidental, indirect, exemplary, special or punitive damages, even if PCL has been advised of the possibility of such damages. Client acknowledges that PCL's fees and charges hereunder are established in reliance on the limitations of liability stated herein and that such limitations are a reasonable and essential part of the agreement between PCL and Client.

11. Hazardous Substances

[illegible] will promptly notify PCL if any samples submitted to PCL for analysis contain asbestos, pesticides, infectious substances, radioactive materials, explosives, flammable substances or other hazardous substances. Client shall be responsible for the proper handling, storage, transportation and disposal of all such materials in accordance with all applicable federal, state or local laws or regulations. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities, costs and expenses arising out of or relating to any such materials provided to PCL by Client or at Client's direction. Client shall promptly notify PCL in writing of any changes in the nature of any hazardous materials previously provided to PCL. Client shall not ship any hazardous materials to PCL without PCL's prior written consent. 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 shall be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Orders placed with PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order are not cancelable or subject to modification except by written mutual agreement. The price schedule is subject to change at any time in our sole discretion. Payment in advance or when analysis is completed is required for all new clients or clients whose credit has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET [illegible] within thirty (30) days from date of invoice. To the fullest extent permitted by law, all [illegible] accounts not paid within thirty (30) days are subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay all of the costs and attorney's fees or wages that are incurred with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL 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 [illegible] liability or liability to client's use of or reliance on any information, or reports furnished by PCL. Client's sampling services hereunder for its own benefit, and not as agent or broker, or any other representative of [illegible]. Client acknowledges and agrees that there are no third party beneficiaries to this agreement, and that no third party may rely on, participate in, possession or reports. Client represents, warrants and agrees that card data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any [illegible] position in the business of any such entity, the solvency, investment, financial, or other condition of any [illegible] and financial institutions or other lenders in connection with contracting with, dealing or interacting with any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be scheduled in advance. If, for any unforeseen reason, the client's required turnaround cannot be met, the normal price will apply.

16. Holding Times

PCL is not responsible for holding times that are exceeded because of samples that are received in an inadequate or otherwise unacceptable condition. 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 72 hours or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. On short holding times, 2-3 days, samples must arrive at the lab within 24 hours before exploration to ensure that the holding times can be met. Short holding times of 48 hours or less (including 4 hours) must be delivered in off-peak days in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been retained on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during a pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-20 15:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0323-01) Collected: 12-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01229	0.1	12-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01323	0.05	13-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01222	1.8	14-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01222	1.8	14-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0323

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	C. A.
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/12/20	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/12/20	12:45
Received by		Jairo Menjivar	3/12/20	12:45P
Relinquished by		Jairo Menjivar	3/12/20	15:00 P.
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/12/20	1540

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No 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 submitted by client or at Client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public [illegible] or client has failed to pay PCL for the services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and shall not be responsible for any inadvertent disclosure of said data where such standard was observed. PCL reports and information or data are prepared solely for the exclusive use and benefit of Client and PCL. Client agrees there shall be no third party beneficiaries of PCL's reports, data or information. Client will not disclose to any third party any information concerning the basis upon which PCL's [illegible] are prepared or other limitations.

10. Hold Harmless

Client releases and shall [illegible] 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 attorney fees, [illegible] expenses and [illegible] 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, [illegible] or loss of use of any property and [illegible] of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the active negligence or willful misconduct of PCL or its employees. [illegible] specifically apply to losses, claims and actions of every kind and character arising out of or in connection with the negligence or other fault of [illegible] in the performance of services under this agreement. The foregoing indemnity will be [illegible] to any liability [illegible] 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 [illegible] 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 profits or business interruption) [illegible] without [illegible] attorney fees, expert costs, and [illegible] 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 [illegible] is the prevailing party.

11. Hazardous Substances

PCL will perform the services as requested by client. Client will provide and PCL will receive samples materials for analyses such as asbestos, contaminated materials, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as hazardous under federal, state or local laws, rules [illegible] policies or regulations, including now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab hazardous analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect, in the area of service through 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 invoice. To the fullest extent permitted at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agent's fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by Client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not 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 reports 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 (also one 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 assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-20 15:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0405-01) Collected: 13-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01539	0.1	13-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01408	0.05	14-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01320	1.8	15-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01320	1.8	15-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0465

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** JULIO LEN	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / ~~Temperature~~) pH: Field Lab
EFF	03-13-20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.62/17.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 13 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEN	03-13-20	12:45
Received by	Fernando Olmos (PCLabs)	3/13/20	12:45
Relinquished by	Fernando Olmos (PCLabs)	3/13/20	15:40
Received by			
Relinquished by			
Received in lab by	Alex Wardrop	3/13/20	1618

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

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.

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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 conditions and 2. an agreement to be bound to these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

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PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the lowest amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

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The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material procured hereunder or on Client's request and the results covered by PCL shall be held in confidence (unless such information is generally available to the public, with the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. All reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees that it shall not any third party beneficiary of such reports, data or information. Client will not disclose to any third party any information including the fees and matters, which are proprietary or other wise of value.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all claims, losses or liabilities, including reasonable attorneys' fees and costs of litigation, suits, causes of action, judgments and proceedings, arising in favor of any third party as a result of, relating to, 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, except to the extent any such claims or liabilities are caused by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to claims made by employees, workers or agents of Client or Client's contractors, subcontractors, suppliers or vendors, whether such claims are based in whole or in part on the alleged concurrent negligence of PCL or any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnity shall be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation as set forth in this section shall be supported by insurance coverage to be maintained by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or attorneys fees (including, without limitation, attorney's fees, court costs, and the pre-award 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 its services, provided under this agreement even if Client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by Client, client will provide and PCL will receive samples, materials for analysis such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's requests 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 by the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amount unpaid, such collection procedures or efforts.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not considered, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution to other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hour will require clients to (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

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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 assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-20 15:31
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0436-01) Collected: 14-Mar-20 By MA						
pH	SM 4500H-B	AC01539	0.1	14-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01412	0.05	14-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01406	1.8	16-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01406	1.8	16-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2004436

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/14/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	3/14/20	9:40	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/14/20	
Received by		RM PCL	3/14/20	1445
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/14/20	1620

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Mar-20 14:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0442-01) Collected: 15-Mar-20 By VA						
pH	SM 4500H-B	AC01539	0.1	15-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01537	0.05	15-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01529	1.8	17-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01529	1.8	17-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0442

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	VICTOR ARIKIAN
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/15/20	09:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPC
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/15/20	09:50
Received by		RM PCL	3/15/20	1415
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/15/20	1608

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0465-01) Collected: 16-Mar-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC01642	1.8	16-Mar-20	18-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01642	1.8	16-Mar-20	18-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01827	0.1	16-Mar-20	16-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC01726	0.05	17-Mar-20	17-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0465

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/16/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CSA)	03/16/20	1300
Received by		Eduardo	3/16/20	1300
Relinquished by		Cole	3/16/20	1400
Received by				
Relinquished by				
Received in lab by		Alex Wimmer	3/16/20	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	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No industry or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or Client has Client to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of samples while such is in postal wastdriver and PCT reports and information provided thereto are for the exclusive use and benefit of client and/or it agrees there shall be no third party beneficiary of such reports, data or information. Client authorizes hereby any third party any information concerning technical information, software programs or other information.

10. Hold Harmless

Client covenants and shall at it's indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (including attorneys fees) and awards arising in favor of Client or any third party as a result of, and/or in any way relating, incident to arising out of, or incompatible with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of any hazardous materials. In addition, client agrees to indemnify PCL for any damage to, loss of, or use of, or any property owned by, leased or rented by any of the foregoing, which such damages, or injuries could arise by the wrongful conduct or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnity is 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 client will maintain liability insurance coverage to be sufficient to cover, 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) (regardless of whether such damages or losses are foreseeable, and whether or not client has been advised of the possibility of such damages or losses) arising out of or in connection with this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will disclose and PCL will receive samples containing for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other substance or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due on or when analysis is completed is received for all work rendered or until a history of payment and/or credit 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) be applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees as justified with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client, authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic, or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the 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 7pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 24 hours or less' samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analytes in 3 hours must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0551-01) Collected: 17-Mar-20 By Golan Kfir							
Microbiological							
Fecal Coliforms	SM 9221E	AC01724	1.8	17-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01724	1.8	17-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01827	0.1	17-Mar-20	17-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC01826	0.05	18-Mar-20	18-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000551

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/17/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 17 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan, IPC	3/17/20	1115
Received by EB	Evan B	3/17/20	1215
Relinquished by EB	Evan B	3/17/20	1345
Received by			
Relinquished by			
Received in lab by	Alex Wallin (Sr)	3/17/20	1439

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: (G) Grab, Comp

Matrix: (AQ) - Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" includes these Terms and Conditions of sale, including the price schedule, and any additional or amended terms which are agreed to in writing. "Client" means the individual or entity who/that request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following (general terms and conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and Conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No additional or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.

For purpose of the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Associations of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable price schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials conduct business as client's records and PCL shall) treated by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain) and shall not be disclosed to parties for all services ordered or to otherwise in breach of the agreement subject to any disclosure required by law or by a court. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any loss, destruction, alteration or unauthorized interception or acquisition of data, letters or other documents during shipment by means of PCL reports and other deliverables are for the exclusive use and benefit of Client unless otherwise specified in writing. Data or information, Client will not attribute to any third party any statement, finding or conclusion made by PCL or any of its employees or agents without the prior written approval of PCL.

10. Hold Harmless

Client releases and agrees to indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliate subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and any expenses including, but not limited to, attorneys' fees and costs of any kind and nature whatsoever, whether or not resulting from third party claims, as a result of, or in any way relating to, the services performed by or on behalf of, or in connection with the performance of services by PCL pursuant to this agreement. Without limiting the foregoing, in the event that any hazardous, toxic, flammable or reactive materials, substances or wastes, or any pollutants or contaminants are found to exist on any of the samples submitted to PCL for analysis, Client will indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities and expenses (including, without limitation, all fees and charges of attorneys, consultants, experts and laboratories) which may be incurred by, charged to or recovered from PCL as a result of, or in connection with, any such hazardous, toxic, flammable or reactive materials, substances or wastes, or any pollutants or contaminants, regardless of whether or not caused by, or within the control of, Client, unless such indemnification is caused solely by the gross negligence or willful misconduct of PCL. Client's obligations under this section shall include, without limitation, the obligation to reimburse PCL for any and all costs and expenses (including, without limitation, fees and charges of attorneys, consultants, experts and laboratories) incurred by PCL in connection with any such claim, loss, damage, liability or expense, and to defend PCL in any action or proceeding arising thereunder. Client's indemnification obligations under this section shall survive the termination of this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide any PCL and subcontractors with all information, including without limitation, all material safety data sheets, concerning the hazardous, toxic, flammable or reactive nature of any samples submitted to PCL for analysis and/or any other substances, materials, wastes and substances which are defined, determined or identified as such under federal, state, municipal 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 Materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify or prefer a method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis (including any client will be charged a sample disposal fee. Our samples subm dard 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 order acknowledgment date the services were rendered or such prices quoted and taken on invoice or writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients. In order to establish credit with PCL, a completed credit application has been submitted with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) days from date of invoice. To the fullest extent permitted by law or applicable law, any amount unpaid to any account more than 30 days from the date of invoice is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amounts owed, including collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL or any other authorized representative. Verbal or written orders for additional services may be carried out in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of information or data, information or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not intended, or shall be used to rely upon, in connection with or as part of the purchase, sale, underwriting or distribution of any securities, the portfolio or other decisions in the solicitation of any security, the granting, amendment, renewal or extension of any loans from any financial institution or other lender or the satisfaction of compliance with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 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 in less 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (0-2 days) 48 hours must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

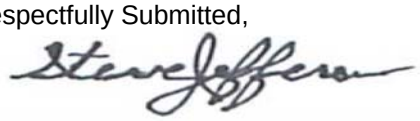
Attention: Ric Vardel
Report Date: 29-Mar-20 14:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0645-01) Collected: 17-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01932	2	24-Mar-20 (SS)	114 mg/l	
Total Suspended Solids	SM2540D	AC02338	1	25-Mar-20 (RM)	190 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample
Sample I.D.#: 2000645

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/17/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 18 2020
By Elb

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (Cafed)	03/18/20	1145
Received by	Elb	Cuarle	3/18/20	1145
Relinquished by	Elb	Cuarle	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	Elb	Cuarle	3/18/20	1500

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0636-01) Collected: 18-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC01825	1.8	18-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01825	1.8	18-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01837	0.1	18-Mar-20	18-Mar-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02012	0.05	19-Mar-20	19-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000636

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: C. Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/18/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/18/20	1145
Received by	Eb Carle	JM	3/18/20	~~1145~~ 1200
Relinquished by	Eb Carle	JM	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	Alex Wahnish	Alex Wahnish	3/18/20	1437

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Mar-20 14:41
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0646-01) Collected: 18-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC01931	0.10	19-Mar-20 (SS)	0.39 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC01932	2	24-Mar-20 (SS)	3 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC01934	0.10	20-Mar-20 (LA)	1.39 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	20-Mar-20 (LA)	3.61 mg/l	
Total Suspended Solids	SM2540D	AC02338	1	25-Mar-20 (RM)	17 mg/l	
Nitrate as N	EPA 353.2	AC01933	0.02	19-Mar-20 (LA)	2.22 mg/l	
Nitrite as N	EPA 353.2	AC01933	0.02	19-Mar-20 (LA)	<0.02 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0646

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Dem	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/18/20	1200	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	03/17/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 18 2020
By EG

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dem	Carlos Alvarez (IPC)	03/18/20	1145
Received by	EG	Evarle PCL	3/18/20	1145
Relinquished by	EG	Evarle PCL	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	EG	Evarle PCL	3/18/20	1500

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0678-01) Collected: 19-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC01941	1.8	19-Mar-20	21-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01941	1.8	19-Mar-20	21-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	19-Mar-20	19-Mar-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02012	0.05	20-Mar-20	20-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0678

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/19/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/21.1°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Ape)	03/19/20	11:40
Received by		Hemmings Courier (Patchem)	3/19/20	12:40
Relinquished by		Hemmings Courier (Patchem)	3/19/20	14:00
Received by				
Relinquished by				
Received in lab by		Alex Washington	3/19/20	1418

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:25
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0733-01) Collected: 20-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02008	1.8	20-Mar-20	22-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02008	1.8	20-Mar-20	22-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	20-Mar-20	20-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	20-Mar-20	20-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0733

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH (Field) Lab
EFF	03/20/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.64/21.1C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 20 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Pat Chem)	03/20/20	12:10
Received by		Alejandro Olmos (Pat Chem)	3/20/20	12:10
Relinquished by		Alejandro Olmos (Pat Chem)	3/20/20	14:35
Received by				
Relinquished by				
Received in lab by		Alex Wan Jr	3/20/20	1443

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0758-01) Collected: 21-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02104	1.8	21-Mar-20	23-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02104	1.8	21-Mar-20	23-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	21-Mar-20	21-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	21-Mar-20	21-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000758

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/21/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/21/20	1150
Received by		Alex Wallace	3/20/20	11:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Wallace JN	3/21/20	1501

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:30
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0779-01) Collected: 22-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02229	1.8	22-Mar-20	24-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02229	1.8	22-Mar-20	24-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	22-Mar-20	22-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	22-Mar-20	22-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000779

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	VICTOR ARAKELIAN
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
P.O. #:		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/22/20	09:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 22 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARAKELIAN (IPC)	3/22/20	09:45
Received by		Alex Walker Jr (PCL)	3/22/20	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/22/20	1516

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab / Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0798-01) Collected: 23-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02336	1.8	23-Mar-20	25-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02336	1.8	23-Mar-20	25-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02522	0.1	23-Mar-20	23-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02432	0.05	24-Mar-20	24-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000798

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/23/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarado (PCL)	03/23/20	11:23
Received by	Juan Vasquez	Juan Vasquez (PCL)	3/23/20	11:23
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	3/23/20	14:20
Received by				
Relinquished by				
Received in lab by		Alex Wahn	3/23/20	1454

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0824-01) Collected: 24-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02427	1.8	24-Mar-20	26-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02427	1.8	24-Mar-20	26-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02522	0.1	24-Mar-20	24-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02524	0.05	25-Mar-20	25-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000824

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/24/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50 / 18.2
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arvelo (IPC)	03/24/20	12:55
Received by	Alejandro Ochoa (Patchem)	3/24/20	12:55
Relinquished by	Alejandro Ochoa (Patchem)	3/24/20	14:00
Received by			
Relinquished by			
Received in lab by	Alex Washington	3/24/20	1406

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	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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(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 18:14
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20C0858-01) Collected: 24-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AC02715	1	27-Mar-20	27-Mar-20	**150 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC02628	2	26-Mar-20	31-Mar-20	**251 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000858

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
INF	03/24/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.43/16.3°C
			1	BOD	Comp	AQ	1L P	4°C	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	03/25/20	12:05
Received by		Humphrey Jones (Patchem)	3/25/20	12:05
Relinquished by		Armando Jones (Patchem	3/25/20	13:55
Received by				
Relinquished by				
Received in lab by		Alex Valencia Jr	3/25/20	1529

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
~~AQ~~ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:38
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0851-01) Collected: 25-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02521	1.8	25-Mar-20	27-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02521	1.8	25-Mar-20	27-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02632	0.1	25-Mar-20	25-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02633	0.05	26-Mar-20	26-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0851

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. Alvarez	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/25/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 21.9C
1	1	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/25/20	12:05
Received by		Alejandro Ochoa (Patchem)	3/25/20	12:05
Relinquished by		Alejandro Ochoa (Patchem)	3/25/20	13:55
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/25/20	1459

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 18:11
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0857-01) Collected: 25-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AC02715	1	27-Mar-20	27-Mar-20	**10 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC03024	0.10	30-Mar-20	30-Mar-20	**0.31 mg/l**	
Nitrate as N	EPA 353.2	AC02630	0.02	26-Mar-20	26-Mar-20	**3.10 mg/l**	
Nitrite as N	EPA 353.2	AC02630	0.02	26-Mar-20	26-Mar-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC02629	0.10	26-Mar-20	27-Mar-20	**0.90 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	26-Mar-20	27-Mar-20	**4.00 mg/l**	
EFF (Sample I.D.# : 20C0857-02) Collected: 24-Mar-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC02628	2	26-Mar-20	31-Mar-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000857

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/25/20	1150	1	TSS	Grab	AQ	1L P	4°C	7.57/22.1°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	03/24/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/25/20	12:05
Received by		Armando Ortiz (Patchem)	3/25/20	12:05
Relinquished by		Armando Ortiz (Patchem)	3/25/20	12:55
Received by				
Relinquished by				
Received in lab by		Alexander Jr	3/25/20	1528

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:40
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0885-01) Collected: 26-Mar-20 By Golan Kfir							
Microbiological							
Fecal Coliforms	SM 9221E	AC02631	1.8	26-Mar-20	28-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02631	1.8	26-Mar-20	28-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02712	0.1	26-Mar-20	26-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02714	0.05	27-Mar-20	27-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000885

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Golan Kfir	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/26/20	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAR 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/26/20	12:00
Received by:	Jairo Menjivar	3/26/20	12:40 P
Relinquished by:	Jairo Menjivar	3/26/20	14:40
Received by:			
Relinquished by:			
Received in lab by:			1453

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Apr-20 21:42
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0904-01) Collected: 27-Mar-20 By JL							
Microbiological							
Fecal Coliforms	SM 9221E	AC02711	1.8	27-Mar-20	29-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02711	1.8	27-Mar-20	29-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02805	0.1	27-Mar-20	27-Mar-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02806	0.05	28-Mar-20	28-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000904

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** JULIO LEAL	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03-27-20	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.72 / 17.6°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	3-27-20	12:50
Received by	Armando Ochoa (IPC)	3/27/20	12:50
Relinquished by	Armando Ochoa (IPC)	3/27/20	14:15
Received by			
Relinquished by			
Received in lab by	MAR 27 2020		1423

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
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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: 12-Apr-20 16:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0907-01) Collected: 28-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02804	1.8	28-Mar-20	30-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02804	1.8	28-Mar-20	30-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02809	0.1	28-Mar-20	28-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02810	0.05	28-Mar-20	28-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0907

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Mario Aguirre **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/28/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 28 2020
By Eculs

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	3/28/20	10:05
Received by	Jose L Gomez	3/28/20	1005
Relinquished by	Josel Gomez	3/28/20	1057
Received by			
Relinquished by			
Received in lab by		3/28/20	1100

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:23
Subject: (MCC) Daily EFF

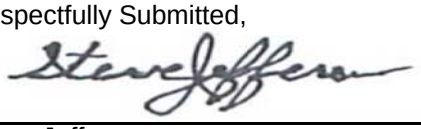
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0912-01) Collected: 29-Mar-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02927	1.8	29-Mar-20	31-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02927	1.8	29-Mar-20	31-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	29-Mar-20	29-Mar-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC03031	0.05	30-Mar-20	30-Mar-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0912

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** VICTOR ARIKIAN **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/29/20	09:27	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 29 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/29/20	09:27
Received by		Alex Walker Jr	3/29/20	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/29/20	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0933-01) Collected: 30-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC03027	1.8	30-Mar-20	01-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC03027	1.8	30-Mar-20	01-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	30-Mar-20	30-Mar-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC03136	0.05	31-Mar-20	31-Mar-20	**0.42 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000933

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. D.	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/30/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.80 / 22.8C
1	1		1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/30/20	12:30
Received by		Ramirez Courier	3/30/20	12:30
Relinquished by		Ramirez Courier (Patel)	3/30/20	14:15
Received by				
Relinquished by				
Received in lab by		MAR 30 2020		

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:30
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0952-01) Collected: 31-Mar-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC03129	1.8	31-Mar-20	02-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC03129	1.8	31-Mar-20	02-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	31-Mar-20	31-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00133	0.05	01-Apr-20	01-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0952

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/31/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	03/31/20	11:20
Received by		Jaird Menjivar	3/31/20	1:40PM
Relinquished by		Jaird Menjivar	3/31/20	3:15PM
Received by				
Relinquished by				
Received in lab by		MAR 31 2020		1612

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined 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 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 Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from 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 at and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data 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 beneficiaries of such reports, data or information. Client agrees not to disclose to any third party any information concerning technical information, software programs or other items disclosed.

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 attorney fees (collectively, "Claims") which may be asserted against PCL by client or any third party as a result of, and/or in any way (including incident to) arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or the transport, handling or disposal of client's hazardous materials, including, without limitation, Claims of personal injury or damage to, loss of, or loss of use of property and/or 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, the indemnities shall specifically apply to claims, losses and expenses of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether such is alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may otherwise have to PCL and the other indemnified persons, to the extent necessary under applicable law. Client agrees that its indemnity obligation will be supported by insurance liability insurance coverage to be furnished by client, which insurance shall have the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, 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 pre and post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or 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 sample materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations, whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any (all hazardous) analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of agreement or 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 thirty (30) days from date of invoices. To the fullest extent permitted by law, all applicable fees, 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 in addition to fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third-party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other 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 qualification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 1-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding times of 48 hours or less (example 24 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 assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 17:01
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0030-01) Collected: 31-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD00227	1	02-Apr-20	02-Apr-20	**149 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD00232	2	02-Apr-20	07-Apr-20	**164 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0030

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/31/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.17 / 17.9°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/01/20	12:20
Received by		ACUMULADO OCHO WATER	4/1/20	11:20
Relinquished by		ACUMULADO OCHO WATER	4/1/20	14:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/1/20	1420

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

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.: **2508**

Expiration Date: **6/30/2020**

Effective Date: **7/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road
Midlothian, VA 23112
Phone: 8047631200

Certificate No. **2508**
Expiration Date **6/30/2020**

Primary Accreditation Body

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

As of 6/25/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

State Water Resources Control Board

June 25, 2019

T. Brian Keith
America Science Team of Richmond, Inc. dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112

Dear T. Brian Keith: Certificate No. 2508

Congratulations! This notice advises that the laboratory named above has been accredited as an environmental testing laboratory pursuant to the provisions of the California Health and Safety Code (HSC) Sections 100825-100920. The analyses for which this laboratory is accredited are indicated on the enclosed "Accredited Fields of Testing" List.

The laboratory's accreditation begins on the date printed on the enclosed certificate. For renewed accreditations, this date is determined by compliance with applicable deadlines. Noncompliance with these deadlines may have resulted in lapse of accreditation.

Be advised, the laboratory may have been denied accreditation for one or more analyses for which it applied due to failure to comply with regulatory requirements for application or accreditation. It is the laboratory's responsibility to review the enclosed list and know for which methods the laboratory has been accredited. This accreditation is a final action of the state board, subject to petition under Health and Safety Code Section 116701 within 30 days. However, if you believe that a FOT has been left off of your accreditation in error, you may submit to ELAP within 30 days of this letter, an "Accreditation Inquiry Request Form" located at www.waterboards.ca.gov/elap identifying any mistakes or errors you believe occurred in your accreditation, which will begin the period in which to file a petition. ELAP will then review all timely submitted "Accreditation Inquiry Request Forms" and will make a final determination which could then petitioned to the State Water Resources Control Board. **Failure to submit a petition to the State Water Resources Control Board or an "Accreditation Inquiry Request Form" to ELAP within 30 days of this letter will prohibit you from obtaining any further review of your accreditation.**

HSC Section 100890 lists the civil penalties for environmental laboratories that perform analyses for state regulatory purposes without a valid certificate.

Continued accreditation is contingent upon compliance with HSC Sections 100825-100920 and California Code of Regulations, Title 22, Division 4, Chapter 19, Certification of Environmental Laboratories. ELAP reserves the right to take enforcement action, including issuance of civil penalties, or supension and revocation of the laboratory's ELAP certificate, for failure to comply with all applicable regulations, statutes and orders.

Thank you

Christine Sotelo, Chief
California Environmental Laboratory Accreditation Program (CA ELAP)

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA
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

Eurofins Calscience, LLC

7440 Lincoln Way

Garden Grove, CA 92841-1427

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.: **2944**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Calscience, LLC

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 7148955494

Certificate No. **2944**
Expiration Date **9/30/2020**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
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	008	Phosphate,Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	003	Chlorate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.100	001	Alkalinity	SM 2320 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.148	001	Calcium	SM 3500-Ca B-1997
102.174	001	Chlorine, Free	SM 4500-Cl F-2000
102.174	002	Chlorine, Total Residual	SM 4500-Cl F-2000
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-2011
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.260	001	Total Organic Carbon TOC	SM 5310 B-2000

As of 10/3/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.264	001	Total Organic Carbon TOC	SM 5310 D-2000
102.265	001	Dissolved Organic Carbon (DOC)	SM 5310 D-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

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

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.020	001	Specific Conductance	EPA 120.1

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus,Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus,Total	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.385	001	Color	SM 2120 B-2001
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.421	001	Hardness	SM 2340 C-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.451	001	Chloride	SM 4500-Chloride C-1997
108.464	001	Chlorine, Total Residual	SM 4500-Cl F-2000
108.464	002	Chlorine, Free	SM 4500-Cl F-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.480	001	Fluoride	SM 4500-F B,C-1997

108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.504	002	Ammonia (as N)	SM 4500-NH3 F-1997
108.511	001	Kjeldahl Nitrogen,Total (as N)	SM 4500-Norg B- 1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.528	001	Nitrate-Nitrite (as N)	SM 4500-NO3- E-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.598	001	Organic Carbon-Total (TOC)	SM 5310 D-2000
108.605	001	Surfactants	SM 5540 C-2000
108.626	001	Phenols, Total	SM 5530 D-2010

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.020	000	Purgeable Aromatics	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B

114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
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 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B
116.040	061	Aromatic Volatiles	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 Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B

117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.170	000	Nitroaromatics and Nitramines	EPA 8330
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	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

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Fruit Growers Laboratory

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

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.: **1573**

Expiration Date: **7/31/2020**

Effective Date: **8/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

July 26, 2019

Mr. Kelly Dunnahoo
Fruit Growers Laboratory
853 Corporation Street
Santa Paula, CA 93060

Dear Mr. Kelly Dunnahoo: Certificate No. 1573

This is to advise you that the laboratory named above has been granted an interim certificate pursuant to California Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100850(d).

The Fields of Testing for which this laboratory has been granted interim certification is shown in the enclosed "Fields of Testing". The Interim certificate shall remain in effect until **July 31, 2020** or until a certificate pursuant to HSC 100825(a) is issued.

Your laboratory is required to participate in the appropriate performance evaluation studies and to perform acceptably in such studies as stated in HSC 100870 and Title 22 of the California Code of Regulations Section 64809. Continued compliance with the Environmental Laboratory Accreditation Program statutes and regulations is required for maintaining the interim certification status.

Any changes in laboratory location or structural alterations, which may adversely affect the quality of analysis in the fields of testing for which the laboratory has been granted certification, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days after the change (HSC 100845(b) and (d)).

Contact our office at (916) 323-3431 or elapca@waterboards.ca.gov for questions.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Fruit Growers Laboratory
Santa Paula
853 Corporation Street
Santa Paula, CA 93060
Phone: 8053922000

Certificate No. 1573
Expiration Date 7/31/2020
INTERIM

Field of Testing: 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 Testing: 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

As of 7/26/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8

103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

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-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2

104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3

105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1
105.175	004	Dibromochloromethane	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 106 - Radiochemistry of 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
106.070	003	Strontium-90	EPA 905.0
106.080	001	Tritium	EPA 906.0
106.090	001	Uranium	EPA 908.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C

106.610	001	Radon-222	SM 7500-Rn
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus,Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.267	001	Phosphorus,Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999

108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
112.020	001	Total Alpha Radium	EPA 903.0
112.180	001	Tritium	EPA 906.0
112.190	001	Uranium	EPA 908.0
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	002	Arsenic	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.140	001	Mercury	EPA 7470 A	
114.221	001	Cyanide, Total	EPA 9012 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				
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste				
116.080	000	Volatile Organic Compounds	EPA 8260 B	
116.080	120	Oxygenates	EPA 8260 B	
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste				
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A	Aqueous Only
117.250	000	Chlorinated Herbicides	EPA 8151 A	Aqueous Only
Field of Testing: 126 - Microbiology of Recreational Water				
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006	
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert	
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert	
126.080	001	Enterococci	Enterolert	

CALIFORNIA
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

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649 USA

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.: **1406**

Expiration Date: **1/31/2022**

Effective Date: **2/1/2020**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

LA Testing
Huntington Beach, CA
5431 Industrial Drive
Huntington Beach, CA 92649 USA
Phone: 7148284999

Certificate No. 1406
Expiration Date 1/31/2022

Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.020	001	Turbidity	EPA 180.1
Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water			
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
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
114.130	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			
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			
117.220	000	PCBs	EPA 8082
Field of Testing: 120 - Physical Properties of Hazardous Waste			
120.070	001	Corrosivity - pH Determination	EPA 9040 B

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.

120.080	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road
Arcata, CA 95521
Phone: (707) 822-4649

Certificate No. **1247**
Expiration Date **7/31/2020**

Field of Testing: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Bacteria	SM9215 B
101.050	001	Total Coliform P/A	SM9223 B (Colilert)
101.050	002	E. coli P/A	SM9223 B (Colilert)
101.050	003	Total Coliform (Enumeration)	SM9223 B (Colilert)
101.050	004	E. coli (Enumeration)	SM9223 B (Colilert)
Field of Testing: 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	EPA 300.0
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM4500-P E-1999
102.262	001	Total Organic Carbon TOC	SM5310C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM5310C-2000
102.270	001	Surfactants	SM5540 C-2000
Field of Testing: 103 - Toxic Chemical Elements of Drinking Water			
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

As of 8/16/2018 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2

104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Perchloroethylene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane	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	000	Phthalates & Adiptate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507

105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	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
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215 B
107.020	002	Total Coliform (Enumeration)	SM9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221 C,E-2006
107.245	002	E. coli (Enumeration)	SM9223 B (Colilert)

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7

108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	002	Oil & Grease Total	EPA 1664 Rev. B
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.540	001	Phosphate, Ortho (as P)	SM4500-P E-1999
108.541	001	Phosphorus, Total	SM4500-P E-1999
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.597	001	Organic Carbon-Total (TOC)	SM5310C-2000
108.605	001	Surfactants	SM5540 C-2000
108.660	001	Chemical Oxygen Demand	HACH8000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8

109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.446	001	Chromium (VI)	SM3500-Cr C-2009
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.030	000	Phthalate Esters	EPA 606
111.093	000	Chlorinated Herbicides	EPA 615
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.190	000	Organophosphorus Pesticides	EPA 619
111.210	000	Carbamates	EPA 632
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
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 7471A
114.241	001	Corrosivity - pH Determination	EPA 9045C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	010	BTEX and MTBE	LUFT GC/MS
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.210	000	Organochlorine Pesticides	EPA 8081A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

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

Sierra Analytical Laboratories, Inc.

26052 Merit Circle

Laguna Hills, CA 92653

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.: **2320**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Sierra Analytical Laboratories, Inc.

26052 Merit Circle
Laguna Hills, CA 92653
Phone: 9493489389

Certificate No. 2320
Expiration Date 9/30/2020

Field of Testing: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Plate Count	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.040	001	Total Coliform P/A	SM 9222 B
101.040	002	Fecal Coliform P/A	SM 9222 D
101.040	004	E. coli P/A	SM 9222 G
101.040	005	Total Coliform (Enumeration)	SM 9222 B
101.040	006	Fecal Coliform (Enumeration)	SM 9222 D
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.201	001	Fluoride	SM 4500-F D-2011
Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water			
104.040	001	Benzene	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	021	1,4-Dichlorobenzene	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2

As of 10/1/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

104.040	037	Isopropylbenzene	EPA 524.2
104.040	041	N-propylbenzene	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	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2

Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.060	002	Total Coliform (Enumeration)	SM 9222 B-1997
107.080	002	Fecal Coliform (Enumeration)	SM 9222 D-1997
107.100	002	Fecal Streptococci	SM 9230 B-2007
107.110	003	Enterococci	SM 9230 C-2007
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.385	001	Color	SM 2120 B-2001
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.572	001	Sulfate (as SO4)	SM 4500-SO4 E-1997
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.670	001	Nitrite (as N)	Hach 8507
108.672	001	Phosphate,Ortho (as P)	Hach 8048

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B

114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.030	001	Gasoline-range Organics	EPA 8015 B
116.040	062	BTEX	EPA 8021 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.250	000	Chlorinated Herbicides	EPA 8151 A
Field of Testing: 126 - Microbiological Methods for Ambient Water			
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.020	001	Total Coliform (Enumeration)	SM 9222 B-1997
126.030	001	Fecal Coliform (Enumeration)	SM 9221 B,E-2006
126.040	001	Fecal Coliform (Enumeration)	SM 9222 D-1997
126.070	001	Enterococci	SM 9230 C-2007

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

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

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.: **1132**

Expiration Date: **3/31/2022**

Effective Date: **4/1/2020**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

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-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethene	EPA 524.4

104.058	008	trans-1,2-Dichloroethene	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethene	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

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) Screen	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	EPA 624.1

110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	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

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 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

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