INTEGRATED
PERFORMANCE
CONSULTANTS

October 30th, 2018

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

Attention: Information Technology Unit

Malibu Civic Center WTP — WDR: R4-2015-0051
2018 3rd Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter. Final performance testing was completed for all in plant systems by the end of the quarter, with the exception of the Membrane Bio Thickener, which was delayed due to mechanical issues. However, those problems were resolved before the quarter ended and the performance test was underway at the time of this writing.

Injection well testing was deferred until successful completion of the UV Performance Test, which was delayed by difficulty achieving satisfactory UVT. The UVT situation was resolved over time by operational efforts and post startup stability, and the UV Performance Test was successfully completed before the end of the quarter, so Injection well testing will begin after approval of the report.

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.

IPC, Inc. · 9297 Research Drive · Irvine, CA 92618
(949) 472-0160 · FAX (949) 472-2060

WASTE HAULING

22,500 gallons of unthickened waste activated sludge were hauled off site this quarter for biological process control. Operation of the MBT in subsequent quarters will result in reduction of the total volume hauled for this purpose.

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 October, 2018, 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 Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1	191.0			191.0				50.0	0.20	0.50	5.0	65.0	80	6.5	2.2			20	85.0	15	85.0	8	8.0	1					10		2000	500	500	2	0.5
Limit 2														8.5	23			30		40									15							
Limit 3															240			45		45																
07/01/2018	Sun	30.7			32.9	0.0	0.0	0.0	32.9	0.06	0.10	0.00	65.0	114	7.2	1.7	1.7	0.049	1.9																		
07/02/2018	Mon	30.8			29.3	0.0	0.0	0.0	29.3	0.07	0.07	0.00	66.0	115	7.3	1.7	1.7	0.049	1.9																		
07/03/2018	Tue	32.5	548	146	29.8	0.0	0.0	0.0	29.8	0.08	0.20	0.10	65.2	118	7.5	1.7	1.7	0.049	5	96.6	0.9	99.8	2.5	2.5	0.03	0.09	0.7	0.61	3.2								
07/04/2018	Wed	30.4			35.1	0.0	0.0	0.0	35.1	0.10	0.11	0.00	65.0	111	7.2	2	1.7	0.049	4																		
07/05/2018	Thu	32.5			25.3	0.0	0.0	0.0	25.3	0.10	0.22	0.10	65.0	112	7.14	1.7	1.7	0.049	5																		
07/06/2018	Fri	34.0			20.2	0.0	0.0	0.0	20.2	0.07	0.07	0.00	65.3	115	7.5	1.7	1.7	0.049	3																		
07/07/2018	Sat	41.8			20.0	0.0	0.0	0.0	20.0	0.07	0.07	0.00	65.6	107	7.4	1.7	1.7	0.049	6																		
07/08/2018	Sun	45.4			20.4	0.0	0.0	0.0	20.4	0.07	0.07	0.00	66.1	107	7.2	1.7	1.7	0.049	1.9																		
07/09/2018	Mon	39.5			26.6	0.0	0.0	0.0	26.6	0.07	0.07	0.00	67.3	114	7.5	1.7	1.7	0.049	1.9																		
07/10/2018	Tue	40.1			39.1	0.0	0.0	0.0	39.1	0.09	0.22	0.25	68.0	110	7.4	1.7	1.7	0.049	1.9																		
07/11/2018	Wed	41.2	210	110	45.4	0.0	0.0	0.0	45.4	0.11	0.11	0.00	68.8	113	7.6	1.7	1.7	0.049	1.9																4.9	0.08	692	139	258	1.05	0.079
07/12/2018	Thu	38.3			44.8	0.0	0.0	0.0	44.8	0.09	0.23	0.20	69.1	115	7.4	1.7	1.7	0.049	17																		
07/13/2018	Fri	36.1			44.5	0.0	0.0	0.0	44.5	0.06	0.06	0.00	69.2	108	7.2	1.7	1.7	0.049	1.9																		
07/14/2018	Sat	DL			DL	DL	DL	DL	DL	DL	DL	DL	DL	DL	7.4	1.7	1.7	0.049	2																		
07/15/2018	Sun	38.0			44.1	0.0	0.0	0.0	44.1	0.06	0.09	0.00	69.0	102	6.9	1.7	1.7	0.049	1.9																		
07/16/2018	Mon	36.0			41.9	0.0	0.0	0.0	41.9	0.10	0.24	0.41	57.2	122	7.3	1.7	1.7	0.049	1.9																		
07/17/2018	Tue	36.2			38.6	0.0	0.0	0.0	38.6	0.11	0.25	0.71	61.3	156	7.7	1.7	1.7	0.049	1.9																		
07/18/2018	Wed	35.0	575	206	38.1	0.0	0.0	0.0	38.1	0.08	0.24	0.41	63.5	156	6.9	1.7	1.7	0.049	1.9	99.1	0.9	99.8	4.6	4.5	0.04	0.1	1.15	1.05	5.7								
07/19/2018	Thu	35.5			33.0	0.0	0.0	0.0	33.0	0.09	0.24	0.20	61.4	142	7.5	2	1.7	0.049	1.9																		
07/20/2018	Fri	35.2			29.8	0.0	0.0	0.0	29.8	0.08	0.25	0.36	66.0	134	7.4	1.7	1.7	0.049	9																		
07/21/2018	Sat	39.3			29.7	0.0	0.0	0.0	29.7	0.08	0.25	0.31	66.0	136	7.5	1.7	1.7	0.049	1.9																		
07/22/2018	Sun	42.8			29.7	0.0	0.0	0.0	29.7	0.07	0.25	0.31	66.0	133	7.2	1.7	1.7	0.049	1.9																		
07/23/2018	Mon	39.2			40.3	0.0	0.0	0.0	40.3	0.09	0.23	0.31	67.7	126	7.4	1.7	1.7	0.049	1.9																		
07/24/2018	Tue	36.5			45.6	0.0	0.0	0.0	45.6	0.10	0.24	0.25	69.5	111	7.4	1.7	1.7	0.049	12																		
07/25/2018	Wed	38.6			49.4	0.0	0.0	0.0	49.4	0.12	0.28	0.36	69.9	120	7.3	1.7	1.7	0.049	12																		
07/26/2018	Thu	42.5	480	310	49.4	0.0	0.0	0.0	49.4	0.11	0.24	0.61	70.0	112	7.4	1.7	1.7	0.049	1.9	99.4	0.9	99.8	2.7	2.7	0.019	0.09	0.85	0.76	3.5								
07/27/2018	Fri	42.0			48.9	0.0	0.0	0.0	48.9	0.07	0.22	0.05	70.2	138	7.4	1.7	1.7	0.049	2																		
07/28/2018	Sat	45.9			37.2	0.0	0.0	0.0	37.2	0.09	0.25	0.61	70.1	129	7.3	1.7	1.7	0.049	3																		
07/29/2018	Sun	44.9			37.2	0.0	0.0	0.0	37.2	0.08	0.08	0.00	70.0	92	7.4	1.7	1.7	0.049	1.9																		
07/30/2018	Mon	46.2			48.5	0.0	0.0	0.0	48.5	0.09	0.24	0.41	70.5	96	7.3	1.7	1.7	0.049	1.9																		
07/31/2018	Tue	40.9			49.2	0.0	0.0	0.0	49.2	0.10	0.19	0.00	73.7	144	7.4	1.7	1.7	0.049	5																		
TOTAL	1,107			1,104	0	0	0	1,055																													
MAX	46	575	310	49	0	0	0	49.4	0	0	1	74	156	7.7	2.0	1.7	0.049	17.0	99.4	0.9	99.8	4.56	4.5	0.040	0.10	1.15	1.05	5.71	5	0	692	139	258	1.05	0.079
AVG	38	453	193	37	0	0	0	36.8	0	0	0	67	120	7.3	1.7	1.7	0.049	3.8	98.3	0.9	99.8	3.25	3.2	0.030	0.09	0.90	0.81	4.15	5	0	692	139	258	1.05	0.079
MIN	30	210	110	20	0	0	0	20.0	0	0	0	57	92	6.9	1.7	1.7	0.049	1.9	96.6	0.9	99.8	2.52	2.5	0.019	0.09	0.70	0.61	3.22	5	0	692	139	258	1.05	0.079

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 Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	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	191.0			191.0				50	0	1	5	65	80	7	2.2			20.0	85.0	15	85.0	8.0	8.0	1				10.00		2000.00	500.00	500.00	2.00	0.50
	Limit 2														9	23.0			30.0		40								15.00						
	Limit 3															240.0			45.0		45														
08/01/2018	Wed	39.8			49.0	0.0	0.0	0.0	49.0	0.07	0.17	0.00	73.8	148	7.3	1.7	1.7	0.049	1.9																		
08/02/2018	Thu	39.2	323	191	48.9	0.0	0.0	0.0	48.9	0.07	0.07	0.00	69.7	127	7.2	1.7	1.7	0.049	1.9	99.0	0.9	99.7	3.8	3.8	0.018	0.09	1.16	1.07	5.0							
08/03/2018	Fri	40.4			48.7	0.0	0.0	0.0	48.7	0.07	0.23	0.10	69.7	129	7.6	2	1.7	0.049	3																		
08/04/2018	Sat	41.0			50.1	0.0	0.0	0.0	50.1	0.07	0.15	0.00	68.6	121	7.5	1.7	1.7	0.049	14																		
08/05/2018	Sun	43.9			48.7	0.0	0.0	0.0	48.7	0.07	0.12	0.00	69.4	109	7.4	1.7	1.7	0.049	16																		
08/06/2018	Mon	41.9			48.7	0.0	0.0	0.0	48.7	0.08	0.24	0.10	70.3	133	7.2	1.7	1.7	0.049	5																		
08/07/2018	Tue	40.3			37.5	0.0	0.0	0.0	37.5	0.09	0.23	0.20	77.1	112	7.4	1.7	1.7	0.049	1.9																		
08/08/2018	Wed	40.7			47.8	0.0	0.0	0.0	47.8	0.10	0.17	0.00	71.3	129	7.4	1.7	1.7	0.049	2																		
08/09/2018	Thu	45.6	208	504	50.8	0.0	0.0	0.0	50.8	0.08	0.17	0.00	69.5	108	7.6	1.7	1.7	0.049	1.9	99.6	1	99.5	4.7	4.7	0.019	0.09	0.72	0.63	5.4	4.9	0.04	740	126	215	0.78	0.19
08/10/2018	Fri	51.6			48.7	0.0	0.0	0.0	48.7	0.06	0.13	0.00	66.7	105	7.4	1.7	1.7	0.049	8																		
08/11/2018	Sat	49.9			49.6	0.0	0.0	0.0	49.6	0.06	0.13	0.00	63.1	118	7.1	1.7	1.7	0.049	5																		
08/12/2018	Sun	52.5			50.1	0.0	0.0	0.0	50.1	0.06	0.10	0.00	60.8	111	7.2	1.7	1.7	0.049	1.9																		
08/13/2018	Mon	58.6			49.8	0.0	0.0	0.0	49.8	0.07	0.15	0.00	62.2	120	7.2	1.7	1.7	0.049	1.9																		
08/14/2018	Tue	51.3			50.1	0.0	0.0	0.0	50.1	0.06	0.15	0.00	64.4	118	7.4	1.7	1.7	0.049	2																		
08/15/2018	Wed	49.0	202	474	50.3	0.0	0.0	0.0	50.3	0.06	0.11	0.00	66.8	130	7.5	1.7	1.7	0.049	11 [1]	97.7	0.9	99.6	1.5	1.5	0.07	0.1	0.77	0.67	2.3							
08/16/2018	Thu	50.7			50.0	0.0	0.0	0.0	50.0	0.06	0.10	0.00	65.3	132	7.5	1.7	1.7	0.049	2																		
08/17/2018	Fri	54.7			49.7	0.0	0.0	0.0	49.7	0.06	0.09	0.00	62.4	120	7.7	1.7	1.7	0.049	4																		
08/18/2018	Sat	52.8			49.5	0.0	0.0	0.0	49.5	0.07	0.13	0.00	62.7	115	7.2	1.7	1.7	0.049	3																		
08/19/2018	Sun	46.0			49.2	0.0	0.0	0.0	49.2	0.08	0.23	0.66	63.2	116	7.1	1.7	1.7	0.049	1.9																		
08/20/2018	Mon	49.2			49.5	0.0	0.0	0.0	49.5	0.09	0.24	1.22	64.1	128	7.3	1.7	1.7	0.049	1.9																		
08/21/2018	Tue	48.6			50.4	0.0	0.0	0.0	50.4	0.07	0.23	0.10	64.9	123	7.2	1.7	1.7	0.049	8																		
08/22/2018	Wed	47.7			50.4	0.0	0.0	0.0	50.4	0.08	0.22	0.41	65.1	110	7.2	1.7	1.7	0.049	2																		
08/23/2018	Thu	43.6	251	795	50.3	0.0	0.0	0.0	50.3	0.10	0.25	2.34	65.9	141	6.8	1.7	1.7	0.049	3	99.6	0.9	99.6	1.8	1.6	0.19	0.36	0.79	0.43	2.6							
08/24/2018	Fri	40.3			50.2	0.0	0.0	0.0	50.2	0.13	0.25	6.16	65.2	144	7.4	1.7	1.7	0.049	1.9																		
08/25/2018	Sat	40.8			50.1	0.0	0.0	0.0	50.1	0.11	0.25	2.09	65.0	141	7.6	1.7	1.7	0.049	1.9																		
08/26/2018	Sun	40.3			50.0	0.0	0.0	0.0	50.0	0.10	0.25	3.67	65.2	143	7.2	1.7	1.7	0.049	1.9																		
08/27/2018	Mon	40.8			49.9	0.0	0.0	0.0	49.9	0.10	0.25	2.04	65.9	145	7.2	1.7	1.7	0.049	1.9																		
08/28/2018	Tue	40.3			48.0	0.0	0.0	0.0	48.0	0.07	0.24	0.20	66.0	121	7.4	1.7	1.7	0.049	1.9																		
08/29/2018	Wed	41.3			27.7	0.0	0.0	0.0	27.7	0.07	0.25	0.25	65.9	102	7.1	1.7	1.7	0.049	1.9																		
08/30/2018	Thu	40.5	166	399	27.8	0.0	0.0	0.0	27.8	0.06	0.25	0.31	66.8	133	7.4	1.7	1.7	0.049	1.9	99.5	0.9	99.5	5.2	5.1	0.09	0.12	0.56	0.44	5.8							
08/31/2018	Fri	44.8			29.8	0.0	0.0	0.0	29.8	0.06	0.20	0.10	67.0	161	7.4	1.7	1.7	0.049	13																		
	TOTAL	1,408			1,461	0	0	0	1,461																												
	MAX	58.6	323	795	51	0	0	0	51	0	0	6	77	161	7.7	2.0	1.7	0.049	16.0	100	1.0	100	5.21	5.1	0.19	0.36	1.16	1	6	4.9	0.04	740	126	215	1	0
	AVG	45.4	230	473	47	0	0	0	47	0	0	1	67	126	7.3	1.7	1.7	0.049	4.2	99	0.9	100	3.40	3.3	0.08	0.15	0.80	1	4	4.9	0.04	740	126	215	1	0
	MIN	39.2	166	191	28	0	0	0	28	0	0	0	61	102	6.8	1.7	1.7	0.049	1.9	98	0.9	99	1.53	1.5	0.02	0.09	0.56	0	2	4.9	0.04	740	126	215	1	0

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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 Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
	Units	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	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	191.0			191.0				50.0	0.20	0.50	5.0	65.0	80	6.5	2.2			20	85.0	15	85.0	8	8.0	1					10		2000	500	500	2	0.5
	Limit 2														8.5	23			30		40									15							
	Limit 3															240			45		45																
09/01/2018	Sat	42.6			37.4	0.0	0.0	0.0	37.4	0.06	0.18	0.00	66.8	148	7.3	1.7	1.7	0.049	1.9																			
09/02/2018	Sun	42.3			37.6	0.0	0.0	0.0	37.6	0.06	0.14	0.00	67.5	137	7.3	1.7	1.7	0.049	1.9																			
09/03/2018	Mon	44.2			37.7	0.0	0.0	0.0	37.7	0.07	0.20	0.05	68.0	115	7.4	1.7	1.7	0.049	1.9																			
09/04/2018	Tue	39.0			37.5	0.0	0.0	0.0	37.5	0.07	0.14	0.00	68.1	128	8.2	1.7	1.7	0.049	1.9																			
09/05/2018	Wed	39.1			37.2	0.0	0.0	0.0	37.2	0.07	0.23	0.05	70.2	180	7.4	1.7	1.7	0.049	1.9																			
09/06/2018	Thu	42.3	180	612	49.2	0.0	0.0	0.0	49.2	0.05	0.14	0.00	67.7	108	6.8	1.7	1.7	0.049	14	97.7	4	97.8	4.6	4.5	0.019	0.12	1	0.88	5.6								
09/07/2018	Fri	40.5			49.5	0.0	0.0	0.0	49.5	0.06	0.17	0.00	66.3	109	6.8	1.7	1.7	0.049	1.9																			
09/08/2018	Sat	42.3			49.7	0.0	0.0	0.0	49.7	0.06	0.15	0.00	66.1	115	7.4	1.7	1.7	0.049	2																			
09/09/2018	Sun	39.1			49.5	0.0	0.0	0.0	49.5	0.06	0.14	0.00	66.1	108	7.4	1.7	1.7	0.049	1.9																			
09/10/2018	Mon	42.5			49.5	0.0	0.0	0.0	49.5	0.06	0.17	0.00	66.6	115	7.2	1.7	1.7	0.049	1.9																			
09/11/2018	Tue	41.6			51.5	0.0	0.0	0.0	51.5	0.06	0.21	0.05	66.7	112	7.4	1.7	1.7	0.049	1.9																			
09/12/2018	Wed	42.2			49.1	0.0	0.0	0.0	49.1	0.06	0.21	0.05	66.6	108	7.2	1.7	1.7	0.049	1.9																			
09/13/2018	Thu	43.2	241	285	44.6	0.0	0.0	0.0	44.6	0.06	0.11	0.00	66.6	105	7.0	1.7	1.7	0.049	13	95.4	0.9	99.6	4.4	4.4	0.019	0.09	0.6	0.51	5.0								
09/14/2018	Fri	40.9			44.6	0.0	0.0	0.0	44.6	0.06	0.13	0.00	66.1	98	SE	SE	SE	SE	SE																4.9	0.21	684	124	167	1.18	0.19
09/15/2018	Sat	45.9			44.4	0.0	0.0	0.0	44.4	0.06	0.14	0.00	65.7	120	7.4	2	1.7	0.049	3																			
09/16/2018	Sun	39.5			44.6	0.0	0.0	0.0	44.6	0.05	0.14	0.00	66.1	140	7.1	1.7	1.7	0.049	15																			
09/17/2018	Mon	41.5			44.7	0.0	0.0	0.0	44.7	0.05	0.23	0.10	67.0	155	7.3	1.7	1.7	0.049	13																			
09/18/2018	Tue	41.9			44.5	0.0	0.0	0.0	44.5	0.05	0.22	0.10	67.6	166	7.2	1.7	2	0.049	1.9																			
09/19/2018	Wed	42.4			44.8	0.0	0.0	0.0	44.8	0.04	0.21	0.05	66.9	145	7.2	1.7	1.8	0.049	1.9																			
09/20/2018	Thu	40.8	231	556	45.0	0.0	0.0	0.0	45.0	0.05	0.10	0.00	67.1	118	7.1	1.7	1.7	0.049	4	99.3	0.9	99.6	3.3	3.3	0.019	0.09	0.68	0.59	4.0								
09/21/2018	Fri	41.7			44.9	0.0	0.0	0.0	44.9	0.04	0.12	0.00	67.9	99	7.1	1.7	1.7	0.049	2																			
09/22/2018	Sat	41.3			44.9	0.0	0.0	0.0	44.9	0.05	0.15	0.00	68.6	123	7.3	1.7	1.7	0.049	1.9																			
09/23/2018	Sun	35.4			43.6	0.0	0.0	0.0	43.6	0.05	0.14	0.00	69.9	122	7.4	1.7	1.7	0.049	1.9																			
09/24/2018	Mon	40.8			32.6	0.0	0.0	0.0	32.6	0.05	0.19	0.00	68.7	124	7.3	1.7	1.7	0.049	1.9																			
09/25/2018	Tue	57.8			33.7	0.0	0.0	0.0	33.7	0.05	0.12	0.00	67.2	118	7.3	1.7	1.7	0.049	2																			
09/26/2018	Wed	45.1			34.8	0.0	0.0	0.0	34.8	0.05	0.09	0.00	67.7	106	7.4	1.7	1.7	0.049	2																			
09/27/2018	Thu	52.5	240	531	38.4	0.0	0.0	0.0	38.4	0.05	0.13	0.00	67.9	109	7.6	1.7	1.7	0.049	1.9	99.6	0.9	99.6	2.5	2.5	0.019	0.09	0.76	0.67	3.2								
09/28/2018	Fri	54.4			46.8	0.0	0.0	0.0	46.8	0.05	0.17	0.00	67.9	105	7.2	1.7	1..7	0.049	1.9																			
09/29/2018	Sat	57.7			48.3	0.0	0.0	0.0	48.3	0.05	0.21	0.10	68.4	137	7.4	1.7	1.7	0.049	7																			
09/30/2018	Sun	49.8			48.5	0.0	0.0	0.0	48.5	0.05	0.21	0.05	69.0	196	7.3	1.7	1.7	0.049	1.9																			
	TOTAL	1,310			1,309	0	0	0	1,309																													
	MAX	58	241	612	52	0	0	0	52	0.07	0.23	0.1	70.2	> 80	8.2	2.0	2.0	0.049	15.0	99.6	4.0	99.6	4.6	4.5	0.02	0.12	1.00	0.9	5.6	4.9	0.21	684	124	167	1.18	0.19
	AVG	44	223	496	44	0	0	0	44	0.05	0.16	0.0	67.4	> 80	7.3	1.7	1.7	0.049	3.8	98.0	1.7	99.2	3.7	3.7	0.02	0.10	0.76	0.7	4.5	4.9	0.21	684	124	167	1.18	0.19
	MIN	35	180	285	33	0	0	0	33	0.04	0.09	0.0	65.7	> 80	6.8	1.7	1.7	0.049	1.9	95.4	0.9	97.8	2.5	2.5	0.02	0.09	0.60	0.5	3.2	4.9	0.21	684	124	167	1.18	0.19

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

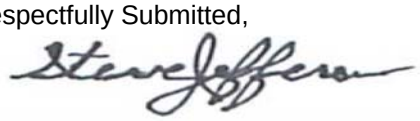
Attention: Ric Vardel
Report Date: 12-Jul-18 19:08
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0003-01) Collected: 01-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80317	2	08-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG80234	0.1	01-Jul-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80321	0.05	01-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80135	1.8	03-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80135	1.8	03-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860003

Customer: IPC, Inc.

Project : (MCC) Daily EFF

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Tucio Ledz

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	07-01-18	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	BOD	Grab	AQ	1L 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		Tucio Ledz	7-1-18	11:50
Received by		Jordan Corkery	7/1/18	11:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

PCL acts solely as an independent contractor to perform all services.

3. Orders and Acceptance

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

The Client may order services by submitting a written order (including faxed or PCL-Net order) 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 oral or written terms and conditions submitted in a client's purchase order 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 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 to 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 payment releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

10. Hold Harmless

Client recognizes and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys' fees (the obligation to indemnify and defend shall survive termination of this agreement) asserted by or awarded to any person or entity, including client, on account of personal injury, death or damage to property arising out of, or in connection with the performance of services under this agreement, to the extent such liability is caused by the gross negligence or willful misconduct of PCL or its employees. For the sake of clarity, client specifically agrees to defend, save, indemnify, and hold PCL harmless from any and all claims, damages, losses, and expenses of every kind and character arising out of or in any action 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 indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the fullest extent permitted by applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage or 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 profits, business interruption, or claims expenses or other fees (including attorneys' fees), costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation, claims or proceeding PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or described 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 asbestos 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 delivery of the services (the "Price Schedule") or as otherwise agreed upon confirmed in writing. The price schedule is subject to change at any time without notice. Payment is advance or upon analysis is completed, regardless of the existence of credit or history of payment with client's account has been established with PCL. For those clients with an established credit account, the terms for payment of invoices for PCL's services shall be thirty (30) days from date of invoice. To the fullest extent permitted by law by applicable law, any amounts 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. Delayed amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in receiving services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, interpretation or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to solicit capital, connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any variable 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, 3-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional such 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

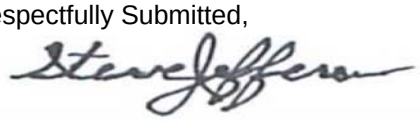
Attention: Ric Vardel
Report Date: 12-Jul-18 19:10
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0023-01) Collected: 02-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80317	2	08-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG80319	0.1	02-Jul-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80321	0.05	03-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80241	1.8	04-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80241	1.8	04-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0023

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/2/18	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Golan IPC	7/2/18	
Received by		7/2/18	1527
Relinquished by		7/2/18	1624
Received by			
Relinquished by			
Received in lab by	PL	7.2.18	1630

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request, and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data while such standard was observed. PCL reports and information provided thereon 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 technical information, software programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date(s) 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 as soon as each analysis is completed is received for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with a established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of this (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to 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 time 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, 3-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliverys, 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

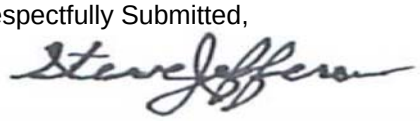
Attention: Ric Vardel
Report Date: 12-Jul-18 19:13
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0062-01) Collected: 03-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80513	2	10-Jul-18 (EA)	5 mg/l	
pH	SM4500-H-B	AG80520	0.1	05-Jul-18 (SS)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80327	0.05	03-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80323	1.8	05-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80323	1.8	05-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0062

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/3/18	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5/26.8°C
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	7/3/18	1345
Received by:	MARIO SANTIESTEBAN (PCL)	7/3/18	1345
Relinquished by:	MARIO SANTIESTEBAN	7/3/18	1815
Received by:			
Relinquished by:			
Received in lab by:	PCL	7.3.18	1900

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Pat-Chem Laboratories (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 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 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 (EGAD), 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, employers 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 analyzed by them or at client's request and the results obtained by PCL shall be held in confidence. Unless such information is generally available to the public or in the public domain, or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports. Prior to dissemination, Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to, court fees, litigation & investigation and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons, 2. loss of, damage to, physical or financial or property and/or 3. business loss of every kind of character. This indemnification applies 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 costs, claims, damages, 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 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) irrespective of whether such damages or other loss (including, without limitation, attorney's fees, court costs, and / or pre or post judgment interest), or any action asserted or cost incurred by client or any other party in any litigation against or involving PCL in any way whatsoever pertaining in connection with this agreement or all services provided under this agreement, even if client or 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 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 Material"). 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 potential 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 Acceptable 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 for a history of payment and/or credit acceptable to PCL. For those clients with established credit accounts, the terms for payment of invoices are NET 30 days unless otherwise specified on the face of invoices. To the fullest extent permitted by all applicable law, any amounts unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law at the time and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

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

14. No Third-Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for the use of or reliance on data, information, or reports furnished by PCL. Client is creating services hereunder for his/her 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 parties may rely on any data, information or reports. Client represents, warrants, and agrees that said data, information and report are not to be used, or shown or cited to, relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, and 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 consulting 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 4pm 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 our lab within 24 hours before expiration to ensure that the holding time can be met. Short Holding Times of 48 hours or less or same day receipt must be reviewed that same day in order to guarantee holding times are met. Airline issues, 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 may be requested by client. Prearrangements for 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, 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

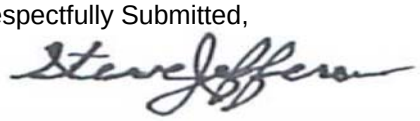
Attention: Ric Vardel
Report Date: 12-Jul-18 19:23
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0061-01) Collected: 03-Jul-18 By IPC						
Ammonia as N	EPA 350.1	AG80511	0.10	05-Jul-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AG80522	0.10	05-Jul-18 (LA)	2.49 mg/l	
Nitrite as N	EPA 353.2	AG80522	0.02	05-Jul-18 (LA)	0.03 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG80523	0.10	06-Jul-18 (LA)	0.70 mg/l	
Total Suspended Solids	SM 2540D	AG80512	1	06-Jul-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0061

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/3/18	11:55	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	7/3/18	1345
Received by	MARIO SANTIESTEBAN (PCL)	7/3/18	1345
Relinquished by	MARIO SANTIESTEBAN (PCL)	7/3/18	1815
Received by			
Relinquished by			
Received in lab by	PCL	7-31-18	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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/her 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 not accept orders for services (or defined services) 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. All 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, client's upon acceptance of the "time 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 test 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 previously available to the public and the public domain) or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data. Notwithstanding the foregoing, PCL reserves and retains the right to use, disclose, market, sell and otherwise exploit in any manner its rights in and to all data, information, software programs and other deliverables.

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 reasonable expenses including, but not limited to all costs from this paragraph 9 asserted 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, wastes, property or death of persons, loss of damage to, use of, or loss of use of property and or X, Y, Z of any kind of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities which is the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity does not apply to any collection, claims, damages, actions or event of any kind or character arising out of or in connection with the negligence or breach of duty in any manner whatsoever, whether active or alleged, of 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 an indemnity which shall will be satisfied by available liability insurance coverage up to or furnished by client, with all 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 profits or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre-or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement without client's or 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 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 at a cost in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or date that the services were rendered or such prices thereto, and upon notification in writing. The price schedule is subject to change at any time without notice. Payment in advance or client analysis completion 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, payments for payment of services are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law or at any applicable law, any amounts unpaid at the end of thirty (30) days is subject to the end of 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 all amounts for such agents, fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications of amendments to the terms shall be effective only in writing and executed by an officer of PCL and the client's authorized representative, except that subsequent orders for additional services may be placed orally 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 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 required by, or will be provided to, or relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of 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 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 modification 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 24 hours of allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-3 days, samples must arrive at the lab, within 2 days before expiration to ensure that the holding time is met. Short Holding Times, of 48 hours or less (such as pH), samples 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 the 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 may be accounted 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

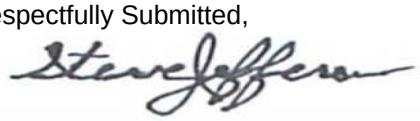
Attention: Ric Vardel
Report Date: 12-Jul-18 19:28
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18G0059-01) Collected: 03-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80513	2	10-Jul-18 (EA)	548 mg/l	
Total Suspended Solids	SM 2540D	AG80512	1	06-Jul-18 (SGS)	146 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0059

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/03/18	1155	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRE)	07/03/18	1345
Received by		MARIO SANTIESTEBAN (PCL)	7/3/18	1345
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/3/18	1815
Received by				
Relinquished by				
Received in lab by		PCL	7.3.18	1900

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
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 (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 Orders & 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 consumer 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 performance 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 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 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 performs the sampling, the client shall be responsible for the collection which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all actions, losses or damages, claims, demands, causes of action, suits and other liabilities including, but not limited to all court fees, and litigation costs, and attorneys fees 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, sickness or death of persons, 2. injury, damage to, loss of, or theft of property, and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity does not specifically apply to losses, claims, damages, actions or suits, fines and charges arising out of or in connection with the negligence of the Environmental Laboratory or any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and fees prior to such judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an product provided under this agreement even if client or 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, waste and substances which are defined, determined or treated as such under federal, state or local laws, rules, PCL policies or regulations (together now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that the 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 analysis of potential analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or such prices as may be later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of client analysis or assignment is required for all new clients or where history of payment and/or credit account has not been established with PCL. For client with an established credit account, the terms for payment of charges are net 30 days from date of invoice. To the fullest extent permitted by law, any amounts unpaid at the end of the 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 past due balance. If unpaid amounts are referred for collection proceedings or suit, all reasonable client shall pay reasonable costs and attorney's fees in addition. fees associated with such collection proceedings.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports for purposes 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. Client agrees and acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to publish, or shall be used to induce reliance in connection with or as part of the purchase, sale, underwriting, or syndication 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 a director or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times for storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times will be provided to the client if requested. For analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times. Without applying any surcharge. For tests holding time of 7 days, samples must arrive at the lab within 24 hour before expiration to ensure that the holding times can be met. Short Holding Time (STHT) tests or less (bacteria) material must be delivered the 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 outlined on the fee schedule. Reasonable time has been allowed for each pick up or service. Unnecessary delays during the pick up or sampling, might be accepted 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-Jul-18 19:15
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0075-01) Collected: 04-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80513	2	10-Jul-18 (EA)	4 mg/l	
pH	SM4500-H-B	AG80520	0.1	05-Jul-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80525	0.05	05-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80504	1.8	07-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80504	1.8	07-Jul-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0075

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07-04-18	07:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	BOD	Grab	AQ	1L 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	JULIO LEAL	7-4-18	
Received by	Evan G.	7.4.18	0730
Relinquished by		7.4.18	1230
Received by			
Relinquished by			
Received in lab by	PLL	7.4.18	1600

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	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 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 in accordance 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 station of sampling services constitutes the Client's express assent to be governed by these terms and conditions. No additional or additional terms and conditions contained on a client's document shall be deemed to become a part of the contract formed 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 prevailing in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 64 Waterbourne (EIAP), 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 sample 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's Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, existing 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 for services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Except and the extent necessary to perform its services hereunder, PCL shall not disclose to any third party any information regarding Client's business, including but not limited to, the results obtained by PCL shall be kept confidential. Information which is generally available to the public or in the public domain or client can be required by PCL for all services rendered or to otherwise in pursuit 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 materials, but shall not be responsible for unauthorized disclosure of such data where such disclosure could not be prevented by the exercise of such care. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other deliverables.

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, or in any way relating, incident to arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. In many circumstances, death of persons, injury, damage to, loss or destruction of property or other harmful acts of every kind and character, the indemnification set forth above with respect to losses, claims, damages, actions of every kind and character arising out of and in connection with the negligence of or breach of contract by any indemnified Person, whether active or passive, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the client may otherwise have in PCL and the other indemnified Persons. To the fullest extent permitted under applicable law, client agrees that its indemnity and hold harmless obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be at the minimum 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 fees are as per 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 or connection with this agreement or all services provided under this agreement even if client or the aforesaid 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 which is or contains flammable, explosive, radioactive or 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 (as either 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 substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for microbiological 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 acceptance of the date the services were rendered or samples received and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or client analysis is completed is required for all new clients or unsatisfactory payment and/or credit status. Net 30 days terms are established with PCL for those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject to payment 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 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 clients authorized representative. Except for 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 the use of or reliance on data, information, or reports by any PCL Client is receiving 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 investment, sale, underwriting, or distribution of any securities, any periodic or other reporting to the shareholders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to all samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-2 days, samples must be in the lab within 24 hours before exposure to insure that the holding times can be met. Short Holding Times of 48 hours or less (such as 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 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

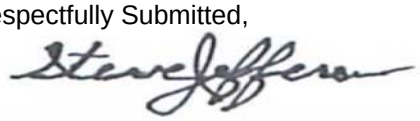
Attention: Ric Vardel
Report Date: 12-Jul-18 19:18
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0102-01) Collected: 05-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80609	2	11-Jul-18 (EA)	5 mg/l	
pH	SM4500-H-B	AG80612	0.1	06-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80614	0.05	06-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80504	1.8	07-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80504	1.8	07-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860102

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/5/18	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Golan IPC	7/5/18	
Received by	Gwab	7.5.18	1730
Relinquished by	Gwab	7.5.18	1500
Received by			
Relinquished by			
Received in lab by		7/5/18	REVD

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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 price schedule and any additions or amendments hereto which are accepted in writing. "Client" means the individual or entity who may request laboratory services, including or sampling services and his, its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents 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 (or defined services) 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 shall govern the transaction. 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 shall order services by submitting a written Work Request (WO) 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 those terms and conditions. The Client's delivery of samples to PCL or authorization of consulting services constitutes the Client's agreement to be governed by these terms and conditions. No contrary or additional terms and conditions shall be valid unless agreed to by PCL in writing. Client's acceptance of the services is expressly limited to 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 equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standard 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), Clearinghouse of Labs (CLP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastes 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 the services or materials rendered. Any passages in the contract or 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 assuring 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 actual 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, which are placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence. Unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and client will be responsible for reasonably safeguarding disclosure of said data which is held standard use. However, PCL reports and information is considered property of the customer, use and benefit of client and shall not be released by PCL to anyone other than client without client's prior written consent. Client agrees not to disclose PCL information, including price lists, data, reports, or its test programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and other settlement including, but not limited to attorneys fees (the "Claims") now held and hereafter arising in favor of client or any third party as a result of, and/or in any way resulting from or flowing out of or in connection with the performance of this agreement and the services provided by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, including, but not limited to, Claims for personal injury, illness or death of persons, loss of, damage to, injury to, or loss of use of property and/or any and all consequences of every kind of character. This indemnity provision applies to any of the foregoing Claims made against PCL, its employees, officers, directors, agents, parent, subsidiaries or affiliates, whether or not caused in part by the active or passive negligence or other fault of PCL or its employees. To the extent that this indemnity provision may be unenforceable for any reason, client agrees to make the maximum contribution to the payment and satisfaction of each Claim which is permissible 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) or other expenses or damages (including, without limitation, attorney's fees, court costs, and fees and costs of expert witnesses), or any other damages in each instance to client or any other party or any person or entity claiming through client or any other party, in any way related to this agreement or the services provided under this agreement, even if client or the prevailing party under this agreement has been advised of the possibility of such damages.

11. Hazardous Substances

For PCL to perform the services requested by client, every effort will be made to identify hazardous materials for analysis such as, but not limited to, pathogenic bacteria or any other biological or radiological agents 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 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 associated by client in the PCL's QA/QC policies. In the event the client does not agree to its potential identification of 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 analytical or clinical analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order for services which is incorporated herein by reference and made a part hereof. Prices are subject to change without notice. Payment in advance or upon analysis is required in cases where credit has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any unpaid amounts, collection costs or other.

13. Agreement Modification

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-10 days, samples must arrive at the lab within 24 hours for PCL even attempt to insure that the holding times can be met. Short Holding Times of 48 hours or less (Nutrients) or failure 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 created on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, must be acknowledged individually for

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

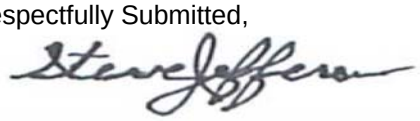
Attention: Ric Vardel
Report Date: 12-Jul-18 19:21
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0140-01) Collected: 06-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80609	2	11-Jul-18 (EA)	3 mg/l	
pH	SM4500-H-B	AG80719	0.1	07-Jul-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80718	0.05	07-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80613	1.8	08-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80613	1.8	08-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860140

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/06/11	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	07/06/11	
Received by			7/6/11	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by			7/6/11	1200

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

Pat-Chem Laboratories (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, either executed or agreed to in writing. "Client" means the individual or entity obtaining the analytical laboratory services, products, or materials pursuant to these Terms and Conditions, whether by its employees, agents, and representatives. "Price Schedule" means the Pat-Chem Laboratories (PCL) standard price schedule in effect from time to time, as 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 is willing to accept orders for services only on the terms and conditions contained in 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 these 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 shall of custody (COC) 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 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 terms and conditions appearing on any Client's document shall be deemed to change or be a part of the parties' agreement regarding any 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 care prevailing in the profession. Where applicable, PCL will use such test methodology as which are in accord with the protocols set forth in the U.S. Environmental Protection Agency (EPA), the Interstate Technology & Regulatory Council (ITRC), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM), or the equivalent, or where and if/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 as otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a manner consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or the QA/QC policies. The total liability of PCL to Client, 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 payment 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

Client and the sample matrix as 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 unless PCL is compelled or required by law to disclose such information. PCL shall provide the name(s) of client's agent(s) authorized to receive such data and shall not be responsible for any unauthorized disclosure of such data which occurs after such data is released to such agent(s). PCL reports and information provided hereunder are for the exclusive use and benefit of Client and Client agrees that there will be no third party beneficiaries of such reports, data or information. Client agrees to indemnify and hold PCL any information concerning such information or PCL's services or other transactions.

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 costs and expenses including, but not limited to, attorneys' fees, litigation expenses and court costs, arising in favor of Client or any third party as a result of, and/or in any way relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, and specifically transportation, handling or disposal of such hazardous materials. In claims, losses or damages (whether personal injury, property damage or economic loss) which result from the negligence of any party or parties, including PCL, Client agrees that every such party shall bear such proportion of the total liability as is fair and reasonable under the circumstances. Further, this indemnity shall not be valid to the extent claims, losses and damages arising out of or resulting from the negligence of PCL or its employees. Further, this indemnity shall not be valid to the extent claims, losses and damages arising out of or resulting from the negligence of Client or its employees, agents or representatives. The foregoing indemnities will be in addition to and not in lieu of any other indemnities set forth in this agreement or in any other agreement between Client and PCL. Client agrees that PCL shall not be liable to Client for any consequential damages, including without limitation, loss of profits, business interruption, loss of use, revenue or actual or anticipated profits (including loss of profits on contracts), loss by reason of shutdown in operation and/or increased expenses of operation, cost of capital, cost of substitute facilities, goods or services, or claims of customers of Client for such damages incurred by them or any of them, whether based upon breach of contract, tort (including negligence), strict liability, indemnity, contribution, or otherwise, even if PCL has been advised of the possibility of such damages. Client agrees that PCL's liability for any and all claims, losses, or damages arising out of any of the services performed hereunder, or from the performance thereof, shall in no case exceed the charges allowed and specified in this agreement for the services performed under this agreement. Client's sole and exclusive remedy against PCL for any such claims, losses or damages shall be the payment of not more than such charges. Client agrees that all potential claims, losses and damages must be asserted against PCL within one (1) year after the completion of the services hereunder or Client's claim shall be deemed waived and barred.

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, biological and other hazardous or toxic materials, which are and will/can only be properly determined or considered as such under federal, state or local laws, rules, PCL's policies or regulations (whether now existing or hereafter enacted or promulgated) or any petition 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 directed 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 analytical purposes will not be returned to Client or a sample deposited into user sample submittal in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Clients must pay PCL in accordance with PCL's applicable price schedule in effect at the time of submission of the order for the services and/or of written price quotation if later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security is required for all new clients or clients with a history of payment problems or who cannot be credit checked with PCL. For those clients with an established payment account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law or equity, a reasonable late payment charge of one and one-half percent (1.5%) per month on the unpaid balance, or the maximum rate permitted by law, whichever is less, will be added to any invoice not paid within thirty (30) days from the date of invoice. In the event it becomes necessary to employ attorneys or collection agencies or to institute legal proceedings or to file a claim, the client shall pay reasonable costs and attorney's fees in addition to any amounts owed in connection with such collection procedure or claim.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective and binding only when signed by an officer of PCL and by Client (or Client's representative). Except as to payment terms for which only 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 testing services hereunder are for its own account, and not as agent or broker, or in any other capacity. Client acknowledges that there are no third party beneficiaries to this agreement, and client hereby agrees that no one other than client will rely on data, information or reports. Client represents, warrants, and agrees that any data, information and reports are not published, or shall be used or relied upon, in connection with or as part of the purchase, sale, conveyance, or distribution of any securities. Any payment or other reporting to the holders of any existing, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or compliance with directives of investors, and governmental agencies or departments.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeding in cases of samples that are received for 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 will be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive with ample hours to allow PCL to meet holding times without applying a rush surcharge. All rush holding times, i.e. 7 days, samples must arrive at the lab within 24 hours prior to expiration to enable the holding time to be met. Short Holding Times of 48 hours or less (bacteria & toxicity) must be delivered the same day in order to guarantee holding times are met. Saturdays, late deliveries, traffic congestion, 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 application 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 mutual 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 your upcoming test have been initiated on the due 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: 13-Jul-18 15:04
Subject: (MCC) Daily Effluent

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

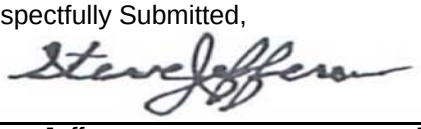
PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0154-01) Collected: 07-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG80819	2	13-Jul-18 (EA)	6 mg/l	
pH	SM4500-H-B	AG80824	0.1	08-Jul-18 (JC)	7.4 pH Units	pH
Residual Chlorine	SM 4500 Cl-G	AG80929	0.05	07-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80717	1.8	09-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80717	1.8	09-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

pHa The temperature in Celsius was 8.4 when the pH was recorded.

pH The temperature in Celsius was 7.0 when the pH was recorded.

Respectfully Submitted,



Steve Jefferson 7/13/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0154

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07.07.18	08:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	JULIO LEAL	7-7-18	
Received by			
Relinquished by	Jose L Gomez	7-7-18	10:45
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/7/18	12:57

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or other terms which are agreed to in writing. "Client" means the individual or entity who may receive laboratory services, consulting or sampling services, and his or his heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents 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 hereinafter) 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 order (WO) 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 is indicative of accepting services' conditions by the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions contained in a client's order shall be deemed to become a part of the client's contract 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 requested services in accordance with the normal standards of care/standards of the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 14 Watertboard (CLAP), 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 sample(s) or substrate 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, or any one of all of its connection to the services to be provided herein, shall not exceed the aggregate 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 its 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 public domain or client has told or has given PCL permission to disclose same in connection with the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in connection with its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports are submitted on possible interpretations for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning chemical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to attorneys' fees (the "Losses") asserted and awards arising in favor of client or any third party as a result of, and/or in any way wholly or partially resulting out of, or in connection with the performance of services by PCL pursuant to this agreement and/or from contribution, breaching or incorrect client's hazardous materials, injury, damage or death of persons, loss of, damage to, or use of real or personal property and/or 2. resulting from any and all claims, demands, suits, actions, or judgments based solely on the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to forties, claims damages, actions, of every kind and character, including but not limited to, those arising out of bodily injury, death, property damage, in connection with the negligence of PCL's employees, agents and subcontracted forces, which are alleged to be due to the performance of services under this agreement. The foregoing indemnities will be in addition to, and not limited to, all rights of indemnity or contribution which PCL and the other parties hereto may have by statute, common law or otherwise. To the extent this indemnity and/or hold harmless agreement is unenforceable, client will be supported by insurance policy, 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 profits 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, action or involving PCL or any other employee or in connection with this agreement or any services provided under this agreement, even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples made up for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances, who is not 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 shall 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 it's 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 tested samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analytical 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 quotation or on the date the services were rendered or such prices given and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or client credit completed is required for all new clients or until a history to support credit can be accounts have been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of the 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 and/or equivalent rate. If unpaid amounts are collected through legal proceedings or by an attorney, client shall pay reasonable costs and attorney's fees, agents' fees associated with such collection proceedings or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on an existing and executed by an officer of PCL and by client's authorized representative, except that subsequent verbal additional services may be agreed to in writing.

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 obtaining services from PCL 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 represented, or shall be used to relied upon in connection with or as part of any purchase, sale, underwriting, or participation in any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any mortgage institution or other lender or the certification to or contracting with governmental or quasi-governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or received 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 will be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours (4 days) to 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. For any holding times of 48 hours or less (bacteria), hand 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 renewal 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 all 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

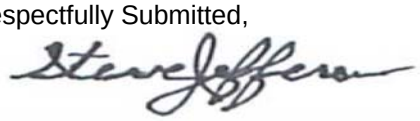
Attention: Ric Vardel
Report Date: 17-Jul-18 12:55
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0159-01) Collected: 08-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81021	2	15-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG80923	0.1	08-Jul-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80929	0.05	09-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80822	1.8	10-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80822	1.8	10-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/17/2018
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

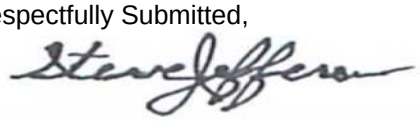
Attention: Ric Vardel
Report Date: 17-Jul-18 12:58
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0172-01) Collected: 09-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81021	2	15-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG81124	0.1	09-Jul-18 (SS)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG80929	0.05	09-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG80928	1.8	13-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG80928	1.8	13-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/17/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0172-01

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/09/18	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46
	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (Cael)	07/09/18	
Received by	EC	Gwarb (PCL)	7.9.18	1200
Relinquished by	EC	Gwarb	7.9.18	1500
Received by				
Relinquished by				
Received in lab by		PCL	7.9.18	1600

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions, including the price schedule, and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, including its employees, 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 rendering 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 not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may place services by submitting a written order or purchase order 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 compelling services constitutes the Client's assent to be governed by these terms and conditions. No conflicting or additional terms and conditions even made 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 to conform with the normal standards of care prevailing in the profession. Where appropriate, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Government (USGP), 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's 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 not withstanding 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 PCL 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 service materials provided by client or at client's request, and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered as 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 such data where such disclosure was allowed. PCL reports and information provided hereunder 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 PCL's methodologies, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and shareholder expenses including, but not limited to all costs from litigation, investigation and services 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 the agreement and/or transportation, handling or disposal of client's hazardous materials. It being the case or event of personal injury, illness, damage to, loss of, or use of or loss of property and/or 3. Financial loss of any kind or character.

This indemnity does not apply to any of the foregoing losses, costs, damages or expenses solely to the extent 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, if any, (actual or alleged) by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the indemnitees may have to PCL and not 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 amount of minimum permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profits or business interruption. Litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and interest on post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as penalty provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances as which are defined, enumerated 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 successful 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 submission of the order for 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 may be required or is otherwise required for all new clients. Upon acceptance of credit application, the terms for payment of charges are net 7 Cash within thirty (30) days from invoice. To the fullest extent permitted or as may be required by applicable law, any amount unpaid at the end of the thirty (30) days is subject to interest at the lesser of the rate of one and one-half percent (1.5%) per month or the highest amount permitted by law. If collection is required through legal proceedings or by an attorney, client shall pay reasonable costs and attorney's fees against PCL and collection costs, including attorney fees.

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 duly authorized representative. Except for subsequent orders for additional services may be placed orally 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 its own account, and not as agent or servant, or in any other representation 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 not be used to relied upon in connection with or as part of any 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 concerning any of the foregoing or otherwise, 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. For short hold times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times are met. Short Holding Times of 48 hours or less (such as 24 hours) must be delivered that same day in order to ensure 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 modification 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 rotated on to the 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.

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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

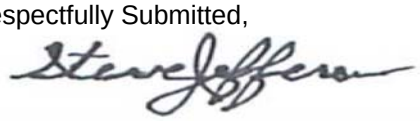
Attention: Ric Vardel
Report Date: 17-Jul-18 13:00
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0190-01) Collected: 10-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81021	2	15-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG81124	0.1	10-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81028	0.05	10-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81025	1.8	12-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81025	1.8	12-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/17/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0190

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/10/18	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	7/10/18	
Received by: EC	Carlo PCL	7.10.18	1230
Relinquished by: EC	Carlo PCL	7.10.18	
Received by:			
Relinquished by:			
Received in lab by:	PCL	7.10.18	1600

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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 receive laboratory services, including or excluding services and who is 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 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 accept services by submitting a written chain of custody (COC) to PCL. Any such order (or its receipt) or acceptance by the client of PCL's offer to do business with Client under the terms and conditions and / or agreements to be issued by these Terms and constitutes the Client's delivery of samples to PCL or initiation of requesting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions shall bind or a Client's payment shall be deemed acceptance of the services created upon examination 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 general standards of workmanship in the profession, which shall mean PCL will use analytical methodologies which are substantially consistent with the U.S. Environmental Protection Agency (EPA), EPA Waterside and [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 sample or otherwise based on the reasonable judgment of PCL. Deviations, if any, will be noted on a case-by-case basis in the recognized standard of laboratory and/or PCL's Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

When 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 assisting PCL of the same and all information required to exercise PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder without its approval 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

Each and the sample materials provided by client on behalf of client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public at the time the public domain or client has told to pay PCL for all services rendered. It 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 materials be responsible for unauthorized disclosure of such data which uses standard use, dispersal. PCL reserves any information provided hereto, and for the exclusive use and benefit of client and client agrees that shall not make early, beneficial use of such reports, data or information. Client will not disclose to any third party any information concerning proposed form, software configuration or sample formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages claims, demands, causes of action, suits and associated expenses including but not limited to attorneys fees, judgments, fines 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 substance, toxic substance or waste, including death of persons, loss of, damage to, use of, or loss of use of property, and for any and all of every kind (collectively "Claims"). The indemnity does not apply to any of the foregoing Claims solely and to the extent they are caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, losses, damages, actions of every kind and charges arising out of or in connection with the negligence or breach of contract by any person, first person, who then actual or alleged, in the performance of services under this agreement. The following indemnities will in addition to any statute which may exist in favor of PCL and the other indemnified persons. To the extent permitted by applicable law, client agrees that its indemnity and obligation will be supported by a one hazardous liability insurance coverage to be furnished by client, with limits not less than $[illegible] in the aggregate annually per client, which shall name PCL as an additional insured. Client shall not be liable for any consequential, punitive, special, indirect or incidental 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 any judgement, interest, or any other expenses to costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or any services provided under this agreement except if caused by the gross negligence of the indemnified party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive complete information for analyses such as: safe data, pollution control, chemicals, hazardous waste substances which are delivered, transported 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 failure to provide material received by PCL from client or at client's request shall relieve the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples at specified by client or by PCL's QA/QC policies. In the event the client does not specify it's 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 per trial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations (or in case the services were provided in whole or in part during and upon completion of the work). PCL may from time to time change its price schedule at any time without notice. Payment for all services rendered and expenses incurred shall be due and payable in full upon receipt of invoice or as otherwise agreed to in writing between PCL and Client, or if credit has been established with PCL, for those clients with a established credit account, payments for payment of invoices are NET CASH within thirty (30) days from date of invoices, to the fullest extent permitted by law and applicable law, any amount unpaid or disputed for thirty (30) days thereafter shall bear 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, agents, 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 and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not 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 SEC or any similar, the vesting, amendment, removal, or extension of any loan from any financial institution or other lender or the certification to or contracting, directly or indirectly, any governmental agency or instrumentality.

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 hours conditions 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 will be provided to the client if requested. All analyses with holding times of 14 days or less, Sample must arrive within 96 hours or less. PCL to meet holding times without applying a rush surcharge. All short holding times (72 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 (fourteen 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 surcharges and/or the inability to meet holding times. All holding times in effect as of the publication date of this fee schedule will 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. Extra storage 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. Any excessive delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

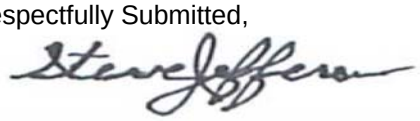
Attention: Ric Vardel
Report Date: 19-Jul-18 12:48
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0231-01) Collected: 11-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81211	2	17-Jul-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AG81219	0.1	11-Jul-18 (SS)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81131	0.05	11-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81123	1.8	13-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81123	1.8	13-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/19/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860231

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/11/18	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	07/11/18	
Received by			7.11.18	1215
Relinquished by			7.11.18	1500
Received by				
Relinquished by				
Received in lab by			7/11/18	1820

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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

"These Terms and Conditions" means these Terms and Conditions of Sale, including any price schedules, and any addenda or amendments hereto to which we agree to in writing. "Client" means the applicable customer receiving laboratory services, consulting or sampling services and his or his/her/its successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) then-existing price schedule or rate document may be amended or revised from time to time in PCL.

2. Independent Contractor

PCL act 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 (collectively the "Terms"). These Terms constitute a binding agreement including which does not modify or alter these Terms. No modifications of the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and of PCL.

The Client may order services by submitting a written order of instruction (SOI) 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 or PCL's initiation of providing services constitutes the Client's express assent to be governed by these terms and conditions. No additional or additional terms and conditions appearing in a Client's document shall be deemed to become a part of the agreement created upon acceptance of the terms and conditions.

For purposes of this agreement, "analyses" shall mean all work to be performed for the client, including preparation of all estimates and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the testing standards prevailing upon the profession where applicable. PCL will utilize analytical methodologies which are recognized by regulatory agencies such as the U.S. Environmental Protection Agency (EPA), CA Water Board (CWB), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of composition of the samples or otherwise based on the professional 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 protocol. 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 perform the sampling, the client shall be responsible for the condition which the samples are collected and for sensitivity to and about the sampling site and the advising PCL of the same and all information required to enable PCL to perform its services safely and effectively.

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 test reports will be provided to client or to 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 or has PCL for all services rendered or is otherwise in control of the same, subject to any disclosure required by lawful or legal process. PCL shall not, 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 disclosure was required. PCL reports and information prepared thereon are for the exclusive use and benefit of client and client agrees that shall not be third party beneficiaries of such reports, data or information. Client will not disclose to any third party any data or information resulting from such tests, software programs or other investigations.

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 all and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses including, but not limited to, all court fees, the litigation expenses and reasonable attorneys' fees, incurred by client in any third party claim or legal action, or portion thereof, in connection with the performance of services by PCL under this agreement. Client agrees to indemnify PCL for any claims, damages, actions or costs and expenses, including reasonable attorneys' fees, arising out of or in connection with the negligence or omission of client or its employees, agents, or subcontractors. Further, client agrees to indemnify and hold PCL harmless from any and all claims, damages, actions or costs and expenses, including reasonable attorneys' fees, arising out of or in connection with the negligence or omission of client or its employees, agents, or subcontractors. Client shall indemnify PCL for any

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 19-Jul-18 12:46
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0230-01) Collected: 11-Jul-18 By IPC						
Boron	EPA 200.7	AG81206	0.10	12-Jul-18 (AF)	1.05 mg/l	
MBAS	SM 5540C	AG81217	0.08	12-Jul-18 (LA)	<0.08 mg/l	
Oil & Grease (HEM)	EPA 1664A	AG81312	5	16-Jul-18 (VD)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AG81631	0.03	16-Jul-18 (LA)	0.08 mg/l	
Total Dissolved Solids	SM 2540C	AG81213	5	13-Jul-18 (EA)	692 mg/l	
Chloride	EPA 300.0	AG81625	1.0	17-Jul-18 (PL)	258 mg/l	
Sulfate as SO4	EPA 300.0	AG81625	0.5	17-Jul-18 (PL)	139 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/19/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860230

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/11/18	0930	1	SO4, Cl, 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	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	07/11/18	
Received by			7-11-18	12:15
Relinquished by			7-11-18	1500
Received by				
Relinquished by				
Received in lab by			7/11/18	1500

Sample Received Checklist

Temperature upon receipt: 4 4°

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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

2. Independent Contractor

3. Orders and acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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(818) 639-5306 fx
pat-chem.com

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

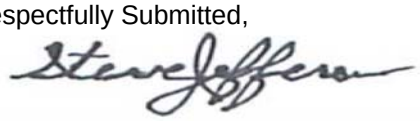
Attention: Ric Vardel
Report Date: 19-Jul-18 12:43
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18G0228-01) Collected: 11-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81211	2	17-Jul-18 (EA)	210 mg/l	
Total Suspended Solids	SM 2540D	AG81214	1	13-Jul-18 (EA)	110 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/19/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1460228

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/11/18	0950	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRL)	07/11/18	
Received by			7-11-18	1245
Relinquished by			7-11-18	1500
Received by				
Relinquished by				
Received in lab by			7/12/18	1500

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of use, 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 for 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 shall of full order (SOO) 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 invitation of consulting services constitutes the client's assent to and 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 the PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision 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 hereinafore pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by or on behalf of 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 tried to pay PCL for all services rendered or in otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reserves and intentionally preserves and for the exclusive use and benefit of client and Client agrees there shall be no third party beneficiaries of such respect. Use of information, Client will not disclose to any third party any information concerning technical information, software programs or other technologies.

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, investigation, 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 the presence on, handling or disposal of client's hazardous materials, if any). Release or death of person, or loss of, damage to, or injury to any kind of property, and/or 3. incomplete loss of every kind of property. This indemnity shall specifically apply to claims, damages, actions or suits that are brought 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 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 or the 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 minimum amounts permitted under applicable law. In no event shall PCL be liable to client for direct, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other loss (including, without limitation, attorney's fees, court costs and/or pre-and post-judgment interest), or any other indirect, or your incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material for analyses such as asbestos, polychlorinated biphenyls, batteries or any other hazardous or noncombustible, 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 revision 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 it's preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bulk analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and price lists.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quotes and rates confirmed in writing. The price schedule is subject to change at any time without notice. Payment in accordance of which an invoice is completed is required for all new clients or until a history of prompt and/or cyclic payment has been established with PCL. For those clients with an established credit account. The terms for payment of charges are net 30 calendar days (30) days from date of invoices. To the fullest extent permitted by all applicable law, any amounts 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 account amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in accordance with established and customary procedures or statute.

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. Verbal (but 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 in securing services has relied for its own purposes, and not to report or benefit, or in any other representative capacity for any other person or party. 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 such data, information and reports are not to be used, 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 verification to or communication with agencies or instructions, any governmental agencies or departments.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying excess surcharge. For most holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to assure that the holding times can be met. Short Holding Times of 48 hours or less (chemical) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, weather conditions, 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. Remote 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

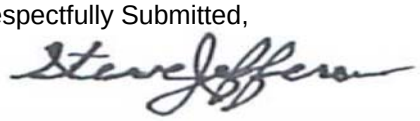
Attention: Ric Vardel
Report Date: 19-Jul-18 12:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0259-01) Collected: 12-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81309	2	18-Jul-18 (SGS)	17 mg/l	
pH	SM4500-H-B	AG81830	0.1	12-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81313	0.05	13-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81210	1.8	14-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81210	1.8	14-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/19/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860259

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/12/18	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (ARE)	07/12/18	
Received by	EB	EB	7-12-18	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by			7/13/18	1300

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 to the above and agreed to in writing. "Client" means the individual or entity who may request laboratory services. Consulting or sampling services and fees in this Terms, Conditions, Insights and Recommendations. "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 may not apply if (1) 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 order requesting PCL 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 except in a client's purchase shall be deemed to 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 laboratory 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 our right to deviate from these methodologies if necessary or appropriate due to the nature or circumstances of the samples or other data based on the reasonable judgement of PCL. Determinations of analytes 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 supervisors to the client arising out of PCL's performance 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 performs the sampling, the client shall be responsible for the collection which the samples are collected and for conditions in and about the sampling site and for allowing 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 laboratory and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are included 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 that results from or in part as 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 generally available to the public or in the public domain or client has had 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 that data when using standard mail, absent gross negligence. PCL reports and information provided hereunder are for the exclusive use and benefit of client and third parties. There shall be no third party beneficiaries to such reports, data or information. Client agrees to disclose to any third party any information concerning PCL's performance under this agreement only with the prior written consent of PCL.

10. **Hold Harmless**
Client releases and shall hold, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action and costs of whatever kind, including, but not limited to all costs from the litigation, including, and awards arising in favor of Client or any third party as a result of, and/or in any way relating to the Client's sampling, report, or in connection with the performance of services by PCL pursuant to this agreement, and/or transportation, handling or disposal of such hazardous materials. Client shall indemnify PCL for any and all costs, fees, or damages, as well as for the loss or use of property and any personal injury of every kind or character. This duty to indemnify applies to any of the foregoing claims, losses, damages, or causes of action unless it is the direct negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, losses, damages, actions of every kind and character arising out of or in connection with the negligence (or breach of duty of care by any subsequent carrier, whether actual or alleged, in the performance of services under this agreement. The foregoing responsibilities will survive termination, validity and/or the completion of this agreement. Client agrees to be responsible for all costs, including attorneys fees, court costs, and/or any other expenses incurred by PCL in any litigation, arbitration, mediation, collection proceedings, bankruptcy, administrative proceedings, or other proceedings, including, but not limited to, attorney's

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LABORATORIES

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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

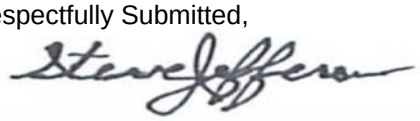
Attention: Ric Vardel
Report Date: 25-Jul-18 11:55
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0285-01) Collected: 13-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81534	2	20-Jul-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AG81830	0.1	13-Jul-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81430	0.05	14-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81311	1.8	15-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81311	1.8	15-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860285

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/13/18	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	07/13/18	
Received by			7/13/18	1203
Relinquished by			7/13/18	1502
Received by				
Relinquished by				
Received in lab by			7/13/18	1520

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including any case schedule, and any terms or amendments to the same which are agreed to in writing. "Client" means the customer or entity who may receive laboratory services, including entering services and quotations, agreements, work plans 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

All orders are subject to these terms for services (or deliverables). Any additional or different terms and conditions (the "Terms"). These Terms include, 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 purchase order (PO) to PCL. Any such order constitutes an acceptance by the Client of PCL's offer to be bound by the Terms under the terms and conditions and all agreements are bound by these Terms and conditions.

The Client's delivery or delivery to PCL's facilities of samples constitutes the Client's express assent to be governed by these terms and conditions. Any verbal or additional terms and conditions submitted by a Client's document shall be deemed to be modified a part of the contract - related communications of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of care prevailing in the profession where applicable. PCL will conduct tests or analyses which are in accordance with the U.S. Environmental Protection Agency (EPA), U.S. Department of Labor (DOL), American Society for Testing and Materials (ASTM), these, state of Illinois Statutory Chemists (SSOFC), 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 professional 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 the DAQOC 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, whether such liability is based on breach of contract, tort (including negligence), strict liability or otherwise, shall not exceed the amount paid by Client for the services rendered hereunder. 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 assuring PCL of the same and all information and conditions as may be necessary for 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 cost of goods and services 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 signed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for failure 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 publicly available or the public or the public. Except as provided for herein or by PCL for an express business or in connection or 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 studies for responsible for unauthorized disclosure of information provided hereunder by client. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that shall be no third party beneficiaries or such reports, data or information. Client will not disclose to any third party any information concerning PCL's business affairs, software, customer list or pricing.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses including, but not limited to all costs from the negligence, omissions and wrongful conduct of Client or any third party as a result of, and/or in any way directly incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or the presence, existence or disposal of any hazardous materials, unless caused by the sole negligence or breach of contract of any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will include, but not be limited to, which the client might incur, pay or become obligated to pay, and any and all losses or expenses whatsoever incurred by client or asserted against client by any third party, including, without limitation, reasonable attorney's fees, court costs and costs of appeal, and any and all expenses incurred by client in enforcing any judgment in favor of client against any party, and any and all costs incurred by client or asserted against client in connection with this agreement or the services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL's disposal of the samples requested by client, client will provide and PCL will receive complete information for analytical work to be done, and chlorinated 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, regulations or requirements (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 or specified by client or by PCL's DAQOC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our DAQOC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation for the date(s) services were performed or work products issued and been performed in writing. The price schedules subject to change at any time without notice. Payment in advance or upon analysis is considered required for all new clients or those clients or projects where credit account has been established with PCL. For those clients with an established credit account, the terms for payment of all invoices are CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law 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 to PCL. For associated with such collection, proceedings or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and no claims based on representations, verbal or subsequent actions for additional services may be served at 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 manage its own assets, 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 such 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, and periodic or other reporting in the nature of any periodic, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or communicating with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other non-workdays 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 24 hours to allow PCL to meet holding times without applying a rush surcharge. All tests having a 2-3 days, samples must arrive at the lab, within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria, pH, etc.) should be addressed immediately in order to ensure holding times are met. After hours, late receipts, 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 by request only. Prolonged 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 stated 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

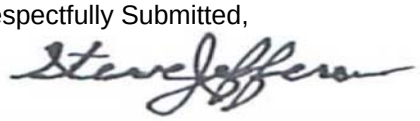
Attention: Ric Vardel
Report Date: 25-Jul-18 11:57
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0302-01) Collected: 14-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81534	2	20-Jul-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AG81830	0.1	14-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81531	0.05	15-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81429	1.8	17-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81429	1.8	17-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860302

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/14/18	0755	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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. Alvarez	Carlos Alvarez (SCE)	07/14/18	
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	7/14/18	1120
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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 agreements or terms which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consulting or sampling services and his or its heirs, successors, assigns and any 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 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 the Terms. No modifications of 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 an 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 unqualified assent to be governed by these terms and conditions. No additional or different terms and conditions appearing on a client's document shall be deemed to constitute 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 by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are substantially consistent with the U.S. Environmental Protection Agency (EPA), CA Waterboard (CLIP), 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 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

Each and the sample matrices 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 must be disclosed to perform PCL services or pursuant to enforcement of this agreement, subject to any disclosure required by law or legal process. Each party shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client shall not disclose to any third party any information concerning technical information, software processes or other confidences.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees (the "Litigation") asserted 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, except from gross negligence or intentional misconduct of PCL or its employees. Further, and without limitation, Client specifically agrees to release, absolve, indemnify, defend and hold harmless PCL from any and all claims, damages, actions or suits of any kind and nature, including cost of clean up or cost recovery, with the exception of those caused by the negligence or breach of contract by any indemnified person, whether active or passive, in the performance of services under this agreement. The foregoing indemnities will be in addition to and not in lieu of any other rights that we have in PCL and the other Indemnified Persons. To the extent not expressly prohibited by applicable law, Client agrees that any indemnity obligation will be supported by adequate liability insurance coverage to be furnished by client, which coverage shall, to the maximum amounts permitted under applicable law, in no event shall PCL be liable to client for indirect, exemplary, special, incidental or consequential damages (including without limitation, loss of profits or business interruption) even if such damages or costs were foreseeable, attorney's fees, court costs and costs of pre- or post-judgment interests, or any other expenses or costs incurred by client or any third party, arising out of or resulting PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement, even if PCL has been advised of the possibility of such damages.

11. Hazardous Substances

For PCL's work from the services requested by client, client will provide and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, pathogens 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 materials received by PCL from client or at the 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 asbestos (asbestos 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 operation at the time the services were scheduled or with prices quoted and taken / 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 clients's history of payment and/or credit issues has not been established with PCL. Surplus to clients with an established credit account, the terms for payment of charges are NET (A) within thirty (30) days from date of invoices, to the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. Unpaid accounts are collected by legal proceedings or by an attorney. The client shall pay reasonable costs and attorney's fees or agents, fees associated with such collection activities and expenses.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective and enforceable only if set out in writing and executed by an officer of PCL and the 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 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 all work and any reports, or work, data, information or reports, Client represents, warrants, and agrees that said data, information and reports are not relied on or used by or relied upon, in connection with or part of, the purchase, sale, underwriting, syndication or valuation of any securities, any personal or other property, by the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in 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 received on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage 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 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times, without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab, within 24 hours before we are able to ensure that the holding time can be met. Short Holding Times for all bacteriological tests (bacteria in Potable Water) are processed immediately upon receipt to guarantee holding times are met. After hours, late deliveries, 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 for request only. 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 stated 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 as 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

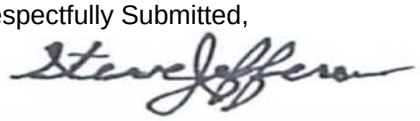
Attention: Ric Vardel
Report Date: 25-Jul-18 12:00
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0307-01) Collected: 15-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81732	2	22-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG81830	0.1	15-Jul-18 (SS)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81638	0.05	16-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81530	1.8	18-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81530	1.8	18-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860307

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07-15-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	BOD	Grab	AQ	1L 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	JULIO LEAL	7-15-18	11:30
Received by	Jordan Corkern	7/15/18	11:50
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkern	7/15/18	13:55

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any exhibits or addenda hereto, which are agreed upon in writing by Client. "Client" means the individual or entity who has placed the order for, requested a quote for, or is receiving services from PCL. "Services" means the analytical testing, sampling, consulting, data validation, interpretation, and reporting services to be provided by PCL as described in the applicable Pat-Chem Laboratories (PCL) quotation and price schedule, as such services may be amended or modified 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 only on the terms and conditions set forth in the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client have signed a separate agreement covering the same subject matter as these Terms. Any 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 an acceptance by the Client of PCL's offer to do business with the Client under the Terms and Conditions and the Client agrees to be bound by those Terms and Conditions. The Client's delivery of samples to PCL or authorization for sampling services to proceed by the Client expressly assents to the Terms and Conditions. No additional or different terms and conditions proposed by Client shall be deemed to be part of the contract unless specifically agreed to in writing by PCL.

The term "Project" as used in these Terms and Conditions shall mean all work to be performed for the Client, including production of all documents and information to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of care and diligence of the profession (where applicable). PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA WaterReuse (CASA), 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 professional 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 (SOPs), and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the Client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for the services (all without limiting 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 completion of 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 preceded 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 its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample information supplied by the client or Client's designee and the reports delivered by PCL shall be held in confidence by each party, except to the extent required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information are provided solely for the exclusive use and benefit of Client and Client agrees that shall be no third party beneficiaries of such reports, data or information. Client will not rely upon any third party representations, findings, interpretations, opinions, positions or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, or damages, claims, demands, suits, causes of action, costs and reasonable expenses, including but not limited to attorneys' fees, litigation expenses and defense costs in favor of Client or any third party as a result of, and/or in any way relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent orders, including any alleged negligent, intentional, or strictly statutory acts or omissions of PCL, its employees, agents, subcontractors, or anyone for whom PCL is legally responsible, and/or any breach of this agreement by PCL, except to the extent that any such claim, loss, damage, action or expense is caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, but not be limited to, claims brought against or asserted by Client in connection with the performance of services under this agreement, which claims are based in whole or in part upon the alleged negligent or willful misconduct of PCL or its employees. Client's duty to indemnify, defend and hold harmless PCL shall survive the termination of this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples, materials for analyses such as samples, contaminated ingredients, 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 such) (collectively "Hazardous Materials"). Client understands and agrees that any hazardous materials received by PCL in connection with 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 asbestos bulk 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 must pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotation or 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 advance or upon analysis is required for all new clients or until a history of acceptable credit terms has been established with PCL. For client 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, by any method, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate allowed 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 agent's fees established with such collection proceedings or actions.

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 creating no rights hereunder for the right, authority and ability of PCL or any other representative retained by any other party or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement. Client shall not make any reliance upon data, information or reports. Client represents, warrants and agrees that said data, information and reports are not prepared or issued so as to be relied upon in connection with or as part of the purchase, sale, underwriting or consideration of any mortgage, any pending or other negotiations for the benefit of any lender, the securing of any permit, renewal or extension of any loan from any financial institution or other lender or the certification to or compliance with specific or unspecific, any governmental agency or requirement.

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 for any of samples that are received too late or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be followed prior to any samples being received by PCL. Most 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 a rush charge. All short holding times (<72 hours), samples must arrive at the lab within 24 hours unless prior approval to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria or 6 hours) must be delivered 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 30 days (60 days after analysis has been completed. Sample storage for longer periods is by request only. Prearranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each visit 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

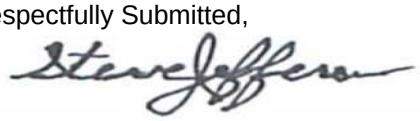
Attention: Ric Vardel
Report Date: 25-Jul-18 12:02
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0320-01) Collected: 16-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81732	2	22-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG81830	0.1	16-Jul-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81731	0.05	17-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81637	1.8	18-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81637	1.8	18-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860370

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/16/18	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	07/16/18	
Received by		Eric	7-16-18	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by			7/16/18	1340

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any amendments or supplements which are agreed to in writing. "Client" means the individual or entity who or which requests services, products or samples pertinent and for or its heirs, successors, assigns and representatives. "Price Schedule" means the 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 apply if PCL and the Client have not executed a separate agreement in writing with terms addressing identical terms. All modifications to the Terms that are in conflict 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 change of request to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the Terms and Conditions and PCL will proceed 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 conflicting or additional terms and conditions submitted by a client's response shall be deemed to form a part of the contract absent a written acceptance of the terms and conditions.

For purposes of this agreement, "Services" shall mean all work to be performed by 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 experimentation in the profession and/or application. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 2 Westborough (ITSAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or the Examination of Water and Wastewater, and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if conditions or appropriate due to the nature or composition of the samples or as 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's 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 lesser of $500 or amount for said services. Client's acceptance of a price order bid for payment 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 proper notice 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 effectively.

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 each client order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are overridden 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 its services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and/or samples furnished by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public at the time public release or client has filed or pay PCL for all services rendered in connection herewith or 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 such data while such data is in transit. All reports and information provided hereto shall be the exclusive use and benefit of client and shall not be used by PCL without written consent of client. Upon request, data or information, client will not disclose to any third party any information regarding technical information, methods, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and proceedings, expenses including, but not limited to, attorneys' fees, investigation expenses and court costs, arising in favor of client or any third party as a result of, and/or in any way resulting incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or representations, failure to perform, or client's failure to fulfill any duties, illness or death of persons, loss of, damage to, loss of use of property of any kind or character. This indemnification applies to any of the foregoing claims, suits, damages, or judgments caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, liability, damages, actions of every kind and description arising out of or in connection with the negligence or alleged negligence of PCL or any independent person, whether actual or alleged, in the performance of service under this agreement. The foregoing indemnities will be in addition to any rights to which the above parties may be entitled at law, and the other rights of the parties. In the event that laws under applicable law, client agrees that its indemnity obligation will be subject only to the extent of client's liability as allowed under law. Client agrees to be furnished by client, all of the above shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for consequential, punitive, special, incidental or compensatory damages including, without limitation, lost profits or business interruption losses or other losses including, without limitation, attorney's fees, court costs, and/or any other judgment interest, or any other expenses of any kind incurred by client or any other party in any litigation against or involving PCL or any person that participates in connection with this agreement or any services provided under this agreement except claims of the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (collectively "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, 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 analysis become client's property. 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 completion of the work. All services were rendered at such prices quoted and client authorized in writing. The price schedule is subject to change at any time without notice. A surcharge is assessed on all analysis accomplished or required for all new clients or upon a history of delayed 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 upon Submittal. All days from date of invoices. To the fullest extent permitted by all by applicable law, any amount unpaid at the end of thirty (30) days shall accrue interest at the lesser of the maximum rate permitted by law or one and one half percent (1.50%) per month on the unpaid balance. If unpaid amounts are submitted through legal proceedings or by an attorney, the client must pay reasonable costs and attorney's fees to accept fees associated with each collection proceeding as billed.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only when in writing and executed by an officer of PCL and the client. Authorized reports of any kind 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 or reliance on data, information, or reports for other by PCL. Client is securing services hereunder for its own benefit, and not as agent or broker, or in any 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 to be relied on or used to result upon in connection with or as part of the purchasing, sale, underwriting, or distribution of any securities, and intends to or other reporting to the holders of any security, the securing, arrangement, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL should be responsible for holding times that are exceeded because of samples that are received on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be developed prior to any sampling performed 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, 3-7 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 for bacteria must be delivered the same day of collection to guarantee holding time is met. After hours, late delivery, weight company delays or similar issues are subject to additional rush fee and/or the ability 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 storage period unless otherwise requested.

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: 25-Jul-18 12:05
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0349-01) Collected: 17-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81824	2	23-Jul-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AG81830	0.1	17-Jul-18 (SS)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81827	0.05	18-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81728	1.8	19-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81728	1.8	19-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 180349

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/17/18	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	Carlos Alvarez (SSC)	07/17/18	
Received by	David Lam	7/17/18	1354
Relinquished by	David Lam	7/17/18	1634
Received by			
Relinquished by			
Received in lab by		7/17/18	1634

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including any cover schedule, and any amendments or variations which are agreed to in writing. "Client" means the individual or entity who/that requests laboratory services, consulting or sampling services and how. Patchem, Incorporated, Weight, and Measurement. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule in force. Documents 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 and only on the following General Terms and Conditions (the "Terms"). These Terms and Conditions apply to PCL and the client and shall establish a legally binding agreement by acting 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 draft of each of the (OCC) or PCL does both verbal communications, or conduct by the client of PCL's offer to do business with the client under the terms and conditions and/or an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or in response to submitting services quotes by the client's agents shall be governed by these terms and conditions. No additional terms and conditions appearing on a client's documents shall be deemed to become a part of the binding client-PCL 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 performance in the profession where applicable. PCL will use such methodologies which are substantially certified by such the U.S. Environmental Protection Agency (EPA), U.S. Underwriters (UL®), 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 testing bodies. 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 (SOPs) 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 assisting 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 prior to receipt of report by 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 results obtained by client or at client's request and the results obtained by PCL shall be held in confidence unless authorized otherwise, normally to the public or in the public domain, provided that neither PCL nor client shall be required to keep confidential data and results for regulatory disclosure of such data when such disclosure was required. PCL reserves the right to withhold release of the report and/or services for nonpayment. Client will not disclose trade secret, proprietary information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases, defends, and holds harmless, indemnifies, and holds PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages (actual, consequential, punitive, or other forms), and reasonable expenses including, but not limited to, all court fees (the "Obligations & Liabilities") and attorneys' fees and costs of investigation, litigation or third party, as a result of, and/or in any way arising, incidental, growing 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 samples and materials. In the event of death of persons, injury, damage to, loss of, or destruction of property, and/or if failure to meet any and all of the foregoing losses, costs, damages, and penalties is by the sole negligence or willful misconduct of PCL or its employees, agents, representatives, or third party subcontractors, client's indemnity, defense and hold harmless obligations shall not apply. Client's indemnity, defense and hold harmless obligations shall not apply to the extent that PCL or its employees, agents, representatives, or third party subcontractors are found to be solely responsible for such Obligations & Liabilities. Client's obligations shall be supported by a widely available insurance coverage to be furnished by client, which limit shall be $1M. If the limit exceeds applicable law, then the limit shall be reduced to meet the applicable law. In no event shall PCL be liable to client for consequential, special, incidental or unanticipated damages including, without limitation, loss of profits, business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and the cost of lost judgment interest), or punitive damages, even if PCL is informed by client or any other party in any litigation against or involving PCL or any authorized person in connection with this agreement or the 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 complete 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, by-laws 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, after such 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 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 analysis are property of PCL. Client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and such confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or after analysis is expected or required for all new clients or upon a history of delayed and/or unpaid accounts. Once client has been established with PCL, for those clients with an established credit account, terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or set by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to collect. Fees associated with such collection should not be added.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that price changes subject for additional services may be varied by oral quote.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use, misuse or non-use, information or reports furnished by PCL. Client in requiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity, for any other person or entity, is advised and acknowledges that there are no third party beneficiaries to this agreement, and shall not hold harmless any such party with data, information or reports. Client represents, warrants, and agrees that such data, information and reports are not presented, or shall be used to mislead upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any warrant or other instrument, or the making of any loan by the servicing, entitlement, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with agencies or instruction, any governmental agency or department.

15. Rush Analysis

Rush analysis 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. Lists of holding times can be provided to the client if requested. For analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 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 (Ferrous Iron) should be approved that same day to allow to guarantee holding times are met. After hours, rush services, freight company delays or similar issues are subject to additional costs 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

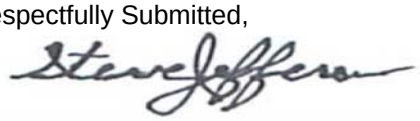
Attention: Ric Vardel
Report Date: 25-Jul-18 12:07
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0384-01) Collected: 18-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81915	2	24-Jul-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AG81914	0.1	18-Jul-18 (SS)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG81923	0.05	19-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81825	1.8	20-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81825	1.8	20-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18Gr384

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/18/18	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.9/25.5°C
			1	BOD	Grab	AQ	1L 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		Carlos Anaya (PCL)	07/18/18	1410
Received by		MARIO SANTIESTEBAN (PCL)	7/18/18	1410
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/18/18	1845
Received by				
Relinquished by				
Received in lab by		PCL	7-18-18	1900

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, addenda, exhibits or amendments hereto to which we agree to in writing. "Client" means the individual or entity, whether a recipient laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) current 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 conflicting or additional terms and conditions expressed on 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 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), 25 Watershield (EAP), 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's 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 the agreement due to causes beyond its control.

9. Confidentiality

Both and the Sample material provided hereunder or as part thereof 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 had legal duty 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 despite the same such standard was utilized. PCL reports and information provided hereto are for the exclusive use and benefit of Client and Client agrees that shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, equipment, or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, partners, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to attorneys fees (the Liabilities) asserted and awards arising in favor of Client or any third party as a result of, and/or in any way connected, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, i.e. injury, disease or death of persons 2. actual damage to real or personal property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing Liabilities, costs, 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 or proceedings of whatever nature 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 indemnities will be on a sole, in any capacity which the client shall indemnify, defend, hold PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that as indemnity obligation will be applicable by an excess liability insurance policy age or carried by client, which insurance shall be in the maximum coverage amounts permitted under applicable law, or be waived client. Be liable to client for indirect, punitive, 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, court costs, and cost of pre-judgment interest), or any other expenses or claim 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, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (collectively "Laws") existing or hereafter enacted or promulgated or any official 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 aerobic bacterial analysis. Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or date the services were rendered or with prices in quote and never contained in writing. The price schedule is subject to change at any time without notice. Payment must be made in cash, check or credit card is required for all services or prior to delivery of payment and/or credit agreement being established with PCL. For client's 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 (if at all) by applicable law, any amount unpaid at the end of the thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balance. If unpaid amount is collected through legal proceedings or by an attorney, client shall pay reasonable costs and attorney's fees, agents' fees, associated with such collection action and/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 procuring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. Client agrees and acknowledges that there are no third party beneficiaries to this agreement, and that no third party (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 any purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the SEC or any similar, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If for any unforeseen reason, the 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 for 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 72 hours or less, samples must arrive within 24 hours to allow PCL to reject holding times without applying a rush surcharge. All short holding times (i.e. 7 days, samples must arrive at the lab within 24 hours before we are able to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria, 24 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 noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up 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

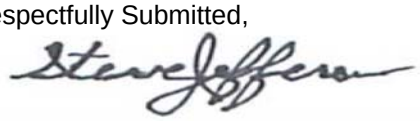
Attention: Ric Vardel
Report Date: 25-Jul-18 11:52
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0385-01) Collected: 18-Jul-18 By IPC						
Ammonia as N	EPA 350.1	AG81910	0.10	19-Jul-18 (SGS)	0.10 mg/l	
Nitrate as N	EPA 353.2	AG81917	0.20	19-Jul-18 (LA)	4.52 mg/l	
Nitrite as N	EPA 353.2	AG81917	0.02	19-Jul-18 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG82331	0.10	24-Jul-18 (LA)	1.15 mg/l	
Total Suspended Solids	SM 2540D	AG81911	1	19-Jul-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860385

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	07/18/18	1110	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	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	07/18/18	1710
Received by		MARIO SANTIESTEBAN (PCL)	7/18/18	1410
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/19/18	1845
Received by				
Relinquished by				
Received in lab by		DLL	7-18-18	1400

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	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 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 or 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's standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL 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 a established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except (i) subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on week 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 applicable rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) 48 hours must be delivered that same day in order to guarantee holding times are met. After hours, late deliverys, 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

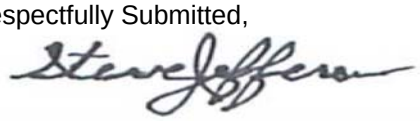
Attention: Ric Vardel
Report Date: 25-Jul-18 11:50
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18G0387-01) Collected: 18-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG81915	2	24-Jul-18 (EA)	575 mg/l	
Total Suspended Solids	SM 2540D	AG81911	1	19-Jul-18 (SGS)	206 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18Go387

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/18/18	1150	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	07/18/18	1410
Received by		MARIO SANTIESTEBAN (PCL)	7/18/18	1410
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/18/18	1845
Received by				
Relinquished by				
Received in lab by		PL	7-18-18	1900

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 sample delivery services, consulting or sampling services and his or her/its/their 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 of 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 utilization of consulting services constitutes the client's consent and agreement to be governed by these terms and conditions. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract only 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/ethics in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the United States 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 sample(s) 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 raw sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses (including reasonable attorneys' fees) (collectively, the "Losses") asserted by or awarded arising in favor of Client or any third party, whether resulted, and/or in any way occurring, incident to, arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, loss of use of or destruction of property and/or 3. financial loss of every kind or character. The foregoing 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 indemnity shall specifically apply to client's claims, damages, losses of every kind and character arising out of or in connection with the negligence (sole or concurrent) or by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the client might otherwise have at 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 maintained by client, which insurance shall be in such minimum amounts permitted under applicable law. In no event shall PCL be liable to client for direct, 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 costs incurred by client or any other party to any litigation against or involving PCL or any indemnified person or connection with this agreement or the services provided under this agreement even if client is the prevailing party).

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for 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 (as the same 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 analysis for metal analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of performance of the services. Price schedules are subject to change at any time without notice. Payment is due upon analysis completed if required for client's work or upon a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, all sums not paid when due, any amounts 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 unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the non-prevailing party reasonable attorney's fees, costs and expenses incurred with such collection activities.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be in writing and signed by an officer of PCL. Only persons authorized (expressly or implied) to solicit orders for laboratory services may be valid or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, and any other representative retained by any other person or entity is waived 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 such data, information and reports are not to be used, or shall be used to relied upon, in connection with or as part of a purchase, sale, underwriting, or distribution of any securities, any pledge or other reporting to shareholders of any security, the securing, assignment, renewal, or extension of any loan by 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 received because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times for storage conditions should be reviewed prior to any sampling performed by PCL. A list of holding times will be provided to the client if requested. All analyses with holding times of 24 hours or less (most nitrate, chlorine, pH, etc.) PCL in most cases cannot guarantee meeting a strict compliance. All short holding time 7 days. Samples must arrive at the lab within 24 hours before exact compliance of the holding times can be achieved. Direct Potable Water (DPW) samples or less (bacteria, etc.) Tests must be performed the same day in order to guarantee holding times are met. After hours, late afternoon, weekend delivery of sample arrives are subject to additional rush fees and/or the inability to meet holding times. Lab hours and times are in effect as of the date of this agreement 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. The 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: 25-Jul-18 13:58
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0411-01) Collected: 19-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82006	2	25-Jul-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AG82011	0.1	20-Jul-18 (SS)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82010	0.05	20-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG81913	1.8	22-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG81913	1.8	22-Jul-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0411

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/19/18	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez	07/19/18	
Received by			7.19.18	1215
Relinquished by			7.19.18	1400
Received by				
Relinquished by				
Received in lab by			7-19-18	1600

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

Preservations

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" refers to these Terms and Conditions of Sale, including the price schedule and any amendments or addendums thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including all sampling services and fields, its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such documents 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 submit requests by telephone, e-mail, chain of custody (COC) or PCL daily sample order (PSO). Any such order for the Client's acceptance by the client of PCL's offer to do business with the client under the terms and conditions and an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of requesting services constitutes the client's express assent to be governed by these terms and conditions. Any quote or additional terms and conditions submitted by a client's documents shall be deemed to be only 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 any 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 reasonable in the profession where applicable. The analytical methodologies utilized are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Department of Energy (DOE), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) or Code of Federal Regulations (CFR) and/or other recognized methodologies. PCL reserves the right to choose from above methodologies if necessary or appropriate due to the nature or characteristics of the samples provided or the laboratory's 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 (SOPs) and/or the QA/QC policies. The entire liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for such services. Client's execution of a work order and/or payment 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 assuring 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 reimbursement 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 purchase order and all subsequent orders for additional services, in either 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

Except for certain materials provided by the client for use in client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the policy. Except as client has filed to pay PCL for all services rendered or in connection or 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 client's data where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees that there will be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning methods of testing, software programs or other knowledge.

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 reasonable expenses including, but not limited to attorneys' fees, litigation expenses and costs, that are asserted against or incurred by PCL by reason of, or 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, toxic, flammable or death of persons, loss of, damage to, loss of, or loss of use of property, and/or all consequential loss of every kind of character. This indemnity shall apply to any of the foregoing which exists, develops or begins during the term of this agreement and/or client's relationship with PCL and/or which may be caused in whole or in part by the negligence or breach of this agreement by PCL, its employees, agents, subcontractors or anyone else acting on behalf of or in connection with PCL or its employees. Further, this indemnity shall apply to any and all claims, liabilities, losses, damages, actions or causes of action arising out of or in connection with the negligence of or breach of this agreement by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which may otherwise be implied by law and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnification obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum 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, 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 other party in any litigation against or involving PCL or any affiliated person or connection with this agreement or all services provided under this agreement even if client or 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 which is not/contains polychlorinated biphenyls, asbestos or any other hazardous or toxic material, waste and substances which are declared, 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 analysis (accepted analysis) client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the services were rendered or such prices quoted and later confirmed in writing. The price is subject to change at any time without notice. Beyond in advance of which analysis is completed is required for all projects or upon a history of payment and/or credit approval has been established with PCL. Payment terms are on established credit, if any. The terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any and all unpaid of the end of the thirty (30) days is subject to interest at the rate 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, client shall pay reasonable costs and attorney's fees, agency fees associated with such collection proceedings, if any.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and Client's authorized representative, except that subsequent orders for additional services may be made orally 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. Client and each employee 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 to be used, or shall be used to rebut upon, in connection with or as part of any purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the investors of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are received 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 will 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 (0-48 hours or less thereafter) must be delivered that same day to assure that two other holding times are met. After hours, late deliveries, freight forwarding 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 long periods is the client's responsibility. 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 quoted 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: 25-Jul-18 14:01
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0439-01) Collected: 20-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82006	2	25-Jul-18 (EA)	9 mg/l	
pH	SM4500-H-B	AG82121	0.1	21-Jul-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82120	0.05	21-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82009	1.8	22-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82009	1.8	22-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860439

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/19/18	0950	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (3PC)	07/19/18	
Received by			7.20.18	1300
Relinquished by			7.20.18	1400
Received by				
Relinquished by				
Received in lab by			7/20/18	1430

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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 set out in writing. "Client" means the individual or entity who may request laboratory services, quotations or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule. A web 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 intent to be governed by these terms and conditions. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the Terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of practice 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 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 provision 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 matrix provided by client or at client's request and the results obtained by PCL shall be held in confidence unless made publicly available or publicly available by the public domain or client has paid to pay PCL for all services rendered up to the time of pursuit 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 does not be responsible for unauthorized disclosure of said data when such disclosure occurs in PCL reports and information provided hereunder or for the extent that the agreement specifically requires them shall be retained solely for the use, copies, data or information. Client will not use or any third party any information concerning test results from PCL, its employees or other consultants.

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, costs, demands, causes of action, suits and claims of any nature including, without limitation, all court fees, litigation expenses, and lawyers' fees and costs arising in favor of client or any third party, as a result of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, injury, disease or death of persons, 2. loss of, damage to, loss of, or loss of use of property, and/or 3. financial loss of every kind or description. The client agrees to defend, indemnify any of the foregoing where costs, damages, or claims asserted solely by the grossly negligent or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to client's damages, actions of every kind and character arising out of or in connection with the negligent or intentional conduct of any indemnified person, whether actively or passively, in the performance of services under this agreement. The foregoing indemnities will cover all loss to any liability which the client owes to any indemnified person and the other indemnified person. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage or be furnished by client, on demand, and 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 all pre-trial and judgment interest), or any other expenses or costs incurred by client or any other party in any dispute against or involving PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement, even if client or 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, waste and substances which are defined, determined or described as such under federal, state or local laws, rules, PCL policies or regulations (or other governing 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 asbestos analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operation or the date the services were rendered. Client's prices quoted and client confirmation 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 when a history of payment with the account has not been established with PCL. For clients and with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. Late payment penalties of at any applicable law may amount shown at the end of thirty (30) days subject to interest at the lesser of the maximum rate permitted by law, one and one half percent (1.5%) per month or the maximum allowable. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees and expenses incurred in such collection whether or not suit is filed.

13. Agreement Modification

Changes, modifications or amendments to these 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 or reliance on data, information, or reports furnished by PCL. Client's acting on such knowledge for its own account, or for the account or benefit of, or in any other representation to, or for any other person or entity, it is agreed and understood that there are no third party beneficiaries to this agreement, and that no third party may rely upon any information or reports. Client represents and agrees that verbal data, information and reports are not requested, or that he does not rely upon such information without express part of the purchase price, understands, or discriminate all any services, any person or other reporting or the holders of any securities, the shareholders, creditors, or of customers of any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without accepting a rush surcharge. All short holding times, 7-7 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 installed 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: 27-Jul-18 14:19
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0454-01) Collected: 21-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82215	2	27-Jul-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AG82220	0.1	21-Jul-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82219	0.05	21-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82119	1.8	23-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82119	1.8	23-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/27/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860454

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/21/18	0730	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	↓	↓	1	BOD	Grab	AQ	1L 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. Alvarez	Carlos Alvarez(Cafe)	07/21/18	1120
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	7/21/18	1120
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Use, including the price schedule, and any amendments or amendments to 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 rendering 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 e-mail or facsimile (FAX) 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 accepting services constitutes the client's express assent to be governed by these terms and conditions. No printed or additional terms and conditions appearing on a client's documents shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater and/or other referenced methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample 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's Quality 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 the 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 provision 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

Except at the Client's direction or with the Client's prior consent, and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. All reports and information prepared pursuant to the performance and pursuant of Client and Client agrees that there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning services, information, software, processes or QA/QC procedures.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards, arising in favor of Client or any third party as a result of, or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. injury to, damage to, loss of or loss of use of property and or 3. financial loss of every kind or character. The indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically exclude claims, damages, losses, actions or expenses and character arising out of or connection with the negligence or breach of contract by any indemnified person, whether active or passive, in the performance of services under this agreement. The foregoing indemnities 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 its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum 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) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or any pre-or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement, even if client or 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, waste and substances which are duly defined, contained 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 analytical 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 completion of the work the services were requested or with prices quoted and then 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. Should 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 (calculation basis) 30 days from date of invoices. To the fullest extent permitted by law by applicable law, any amounts unpaid at the end of thirty (30) days, is subject to interest at the lesser of the maximum rate permitted by law of 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 incurred with such collection proceedings.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and the 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 or reliance on data, information, or reports furnished by PCL. Client is acting 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 not 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, encumbrance, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. 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 10 more holding times without applying a rush surcharge. All other holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) samples 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 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: 30-Jul-18 12:21
Subject: (MCC) Daily Effluent

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

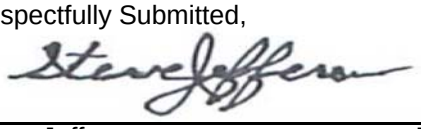
PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0458-01) Collected: 22-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82426	2	29-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG82329	0.1	23-Jul-18 (PL)	7.2 pH Units	pHa
Residual Chlorine	SM 4500 Cl-G	AG82334	0.05	23-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82218	1.8	24-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82218	1.8	24-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

pHa The temperature in Celsius was 9.7 when the pH was recorded.

pH The temperature in Celsius was 10.2 when the pH was recorded.

Respectfully Submitted,



Steve Jefferson 7/30/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860458

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/22/18	10:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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 GK	Golan IPC	7/22/18	12:10
Received by	Jordan Corkery	7/22/18	12:10
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/22/18	14:00

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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 exhibits 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 described 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 consult also the client's express assent to be governed by these terms and conditions. No company or additional terms and conditions contained in a client's document shall be deemed to become a part of the contract unless PCL form 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), Clean Waterboard (CLAP), 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, relative out of or in connection with the services to be provided herein, shall in no event 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 as otherwise may 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 kept in confidence (unless such information is generally available to the public or in the public domain) or client but filed or pay PCL for all services rendered or if 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 unsanctioned disclosure of such data where such standard was observed. PCL reports and information provided hereunder 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 technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees (the "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, i. injury, sickness or death of persons, ii. loss of, damage to, loss of, or loss of use of property, or iii. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims (regardless of merit), suits and character arising out of or in connection with the negligence of or lack of judgment by any investigating 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 extend necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls (PCBs) 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 analysis for microbiological 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 execution of the work the services were rendered or such prices as otherwise agreed upon, confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon analysis is considered is required for all new clients or until a history of subsequent smaller credits account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as set by applicable law, any amounts unpaid at the end of the 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 court and attorney's fees or agency fees associated with such collection proceedings or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is providing 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 certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 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 are met. Short Holding Times of 48 hours or less (bacteria 30 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 liable 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, might be accepted 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

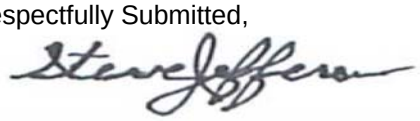
Attention: Ric Vardel
Report Date: 30-Jul-18 12:24
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0469-01) Collected: 23-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82426	2	29-Jul-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AG82428	0.1	24-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82334	0.05	23-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82330	1.8	25-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82330	1.8	25-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/30/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: IBG0469

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/23/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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	[signature]	Carlos Alvarez (IPC)	07/23/18	
Received by	[signature]	IPC	7.23.18	1140
Relinquished by	[signature]	IPC	7/23/18	1300
Received by				
Relinquished by				
Received in lab by		YL	7.23.18	1600

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	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 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 not accept orders for services (as defined herein) except 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 affiliate 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 documents shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 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 matrix provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has told PCL that all services rendered is in reference to breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning proprietary information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to all court fees (including experts) and awards) arising in favor of Client or any third party as a result of, directly or any way accessory 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, 2. injury, illness or death of persons 2. loss of, damage to, use of, or loss of use of property and or 3. ongoing loss of any kind or claim. The indemnity does not apply to any of the foregoing losses, costs, damages, suits, claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, demands, actions or suits, that are after arising out of or in connection with the negligence of or breach of contract by any individual/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 may otherwise have to PCL and the other indemnified persons. To the extent necessary, client shall additionally agree that all 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 loss (including, without limitation, attorney's fees, court costs and all pre and post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against the foregoing PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if advised of the possibility.

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 classified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any similar 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 upon the 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 asbestos bulk material 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 with no credit exposure 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 (if at all) by applicable law, any amounts unpaid at the end of this thirty (30) day period 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 to appeal from establishing such collection procedure or claim.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative. Except as to subsequent orders for additional services may be verbal or in writing.

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 by PCL. Client is acting solely as principal for its own account and not as agent or trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that neither party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to be used, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or participation 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 directors 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 (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 insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteriology tests) must be delivered this 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 charges 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: 31-Jul-18 14:24
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0497-01) Collected: 24-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82532	2	30-Jul-18 (EA)	12 mg/l	
pH	SM4500-H-B	AG82537	0.1	24-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82434	0.05	24-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82429	1.8	26-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82429	1.8	26-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/31/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860497

Customer: IPC, Inc.
Address: 9297 Research Drive
Irvine CA 92618

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

Project: (MCC) Daily EFF
P.O. #:
Phone #: ~~949~~ 382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/24/18	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49
	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (SCE)	07/24/18	
Received by			7.24.18	1230
Relinquished by			7.24.18	1330
Received by				
Relinquished by				
Received in lab by			7.24.18	1605

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective

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 sampling 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 cited to pay PCL for all services rendered or in otherwise in breach of the agreement) subject to any disclosure required by lawful legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way or 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, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law, in no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste or 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 asbestos 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 unless a history of payment and/or credit account has been established with PCL. For those clients with established credit accounts, the terms for payment of charges are CASH unless thirty (30) days from date of invoices. 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 agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying Rush surcharges. For short holding times, 3-7 days, samples must arrive at PCL 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 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: 31-Jul-18 14:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0538-01) Collected: 25-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82615	2	31-Jul-18 (EA)	12 mg/l	
pH	SM4500-H-B	AG82617	0.1	25-Jul-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82540	0.05	25-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82529	1.8	27-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82529	1.8	27-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/31/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860538

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	07/25/18	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (Cal)	07/25/18	
Received by		C. Tafoya PCL	7/25/18	1245
Relinquished by		C. Tafoya PCL	7/25/18	1500
Received by				
Relinquished by				
Received in lab by			7/25/18	1500

Sample Received Checklist

Temperature upon receipt: 1/6°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

Pat-Chem Laboratories (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 upon in writing. "Client" means the individual or entity who may request laboratory services, submitting 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 of 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 boilerplate 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 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 sample material provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the Agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any official 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 on the date of quotations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of 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.

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 01-Aug-18 16:37
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0574-01) Collected: 26-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82707	2	01-Aug-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AG82712	0.1	26-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82620	0.05	26-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82612	1.8	28-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82612	1.8	28-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0574

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/26/18	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Carlos Alvarez (IPC)	07/26/18	
Received by	Cindy M (Patchem)	7/26/18	14:04
Relinquished by	Cindy	7/26/18	15:33
Received by			
Relinquished by			
Received in lab by	PIL	7/26/18	1540

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 documents 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 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 receipt 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 other information, in 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 cancelation 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 stated in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client agrees to and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the foregoing, hereinafter, and even if resulting in whole or in part from the negligence of PCL), arising out of or resulting from: 1. any act or omission of client, its employees, agents, affiliates, subsidiaries and parent, 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; 2. bodily injury or death of persons; 3. loss of, damage to, misuse of, theft of or loss of property and/or 4. if any or loss of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages, or liability caused in whole or in part, regardless of whether such loss is the direct result of PCL or its employees. Further, this indemnity shall apply to any losses, claims, damages, actions of every kind and manner arising out of or in connection with the negligence or omissions of caused by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent not otherwise limited by applicable law, client agrees that its indemnity obligation will be supported by a whole liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In the event that PCL or both its client's insurers, 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 cost of such personnel interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste 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 specified analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices otherwise agreed upon confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit analysis is completed is required for all new clients or where a history of payment and/or credit relation has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30/EOM unless otherwise agreed to in writing. To the fullest extent permitted by law or as applicable law, any amount unpaid at the end of thirty (30) days 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, client agrees that any reasonable costs and attorney's fees or agents' fees associated with such collection proceedings will be paid.

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 in 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, is advised 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 not 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 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 adequate holding times without applying a rush surcharge. All tests holding times of 7 days, samples must arrive at the lab within 24 hours before exceptions to insure that the holding times can be met. (Note: Holding Times of 48 hours or less (bacteria) should must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are to 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 listed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be 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: 01-Aug-18 16:35
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0572-01) Collected: 26-Jul-18 By IPC						
Ammonia as N	EPA 350.1	AG82706	0.10	27-Jul-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AG82708	0.10	27-Jul-18 (LA)	2.66 mg/l	
Nitrite as N	EPA 353.2	AG82708	0.02	27-Jul-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG83129	0.10	01-Aug-18 (LA)	0.85 mg/l	
Total Suspended Solids	SM 2540D	AG82714	1	27-Jul-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0572

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	07/26/18	1410	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	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	07/26/18	
Received by		Cindy M	7/26/18	14:04
Relinquished by		Cindy	7/26/18	15:53
Received by				
Relinquished by				
Received in lab by		PCL	7-26-18	1600

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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.

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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 to the extent 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 is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto 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 technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees, (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way resulting incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, charges, 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 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 for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for 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 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 unlike history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliverys, 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

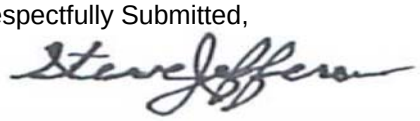
Attention: Ric Vardel
Report Date: 01-Aug-18 16:32
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18G0573-01) Collected: 26-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82707	2	01-Aug-18 (SGS)	480 mg/l	
Total Suspended Solids	SM 2540D	AG82714	1	27-Jul-18 (EA)	310 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 180573

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/26/18	1015	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez	07/26/18	
Received by	Cindy M	7/26/18	14:04
Relinquished by	Cindy	7/26/18	15:53
Received by			
Relinquished by			
Received in lab by	PCL	7-26-18	1611

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any variations or amendments to any which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling personnel and may authorize, subscribe, assign and represent them. "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, faxed or electronic (EDI) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with 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 terms 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 performance 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 (EPA), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or 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's standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client or third 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 in failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by the client 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 to it. Otherwise, in breach of the agreement, subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data while such data was disclosed. PCL reports and information provided shall be for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning testing performed, software, programs or other simulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees, the litigation's investigation, 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 investigation, sampling, or detection of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, misuse of, or illegal use of property and/or 3. Financial loss of every kind or character. This provision does not apply to any of the foregoing losses, costs, damages, or suits proximately caused by the gross negligence or willful misconduct of PCL or its employees. Further, PCL expressly shall specifically apply to limit claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or passive, in the performance of services under this agreement. The foregoing indemnities will be in addition to, and not exclusive of, the indemnities that may have been given to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that no indemnity obligation will be supported by available liability insurance coverage to be furnished by client, with all insurance shall be solely primary and not contributing with any insurance maintained by PCL. In no event shall PCL be liable to client for indirect, punitive, special, or unrelated 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 any lost judgment interest, or any other expenses or claim incurred by client or any other party in any legal action or involving PCL or any Indemnified Person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, beryllium or any other hazardous or toxic material, waste and substances which are declared, 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 analysis for 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 quotation or the date 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 accordance with an alternative arrangement is required for all new clients or upon a review of payment and/or credit acceptable to PCL. For those clients with an established credit account, the terms of payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid at the end of this 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 agency fees established and such collection procedure or means.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective or binding and executed by an officer of PCL and Pat-Chem's authorized representatives, 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 engaging 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 furnished, or shall be used or relied upon, in connection with or in regard to the purchase, sale, underwriting, or distribution of any securities, any security or other respecting to the payment of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded for some 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 as required. 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, 2-3 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (such as a 24 hour) must be delivered that same day to allow for guaranteed 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

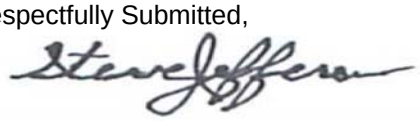
Attention: Ric Vardel
Report Date: 01-Aug-18 16:39
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0592-01) Collected: 27-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82707	2	01-Aug-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AG82826	0.1	28-Jul-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82719	0.05	27-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82713	1.8	29-Jul-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82713	1.8	29-Jul-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18G0592

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field (Lab)
EFF	07/27/18	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (PCL)	07/27/18	
Received by		Cindy (PCL)	07/27/18	12:15
Relinquished by		Cindy (PCL)	7/27/18	14:00
Received by				
Relinquished by				
Received in lab by		PCL	7.27.18	16:00

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 agreed to be governed by these terms and conditions. No preprinted 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 (CLAP), 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 affiliates, 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 by clients 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 with 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 lawful or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the 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 fee, or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 30 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

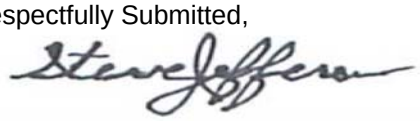
Attention: Ric Vardel
Report Date: 03-Aug-18 16:13
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0608-01) Collected: 28-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG82926	2	03-Aug-18 (EA)	3 mg/l	
pH	SM4500-H-B	AG82829	0.1	28-Jul-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG82830	0.05	28-Jul-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82825	1.8	30-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82825	1.8	30-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/3/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860608

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/28/19	0750	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Carlos Alvarez	Carlos Alvarez (SPL)	07/28/19	1107
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	7/29/19	1100
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries: No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

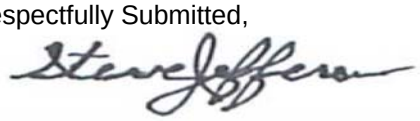
Attention: Ric Vardel
Report Date: 09-Aug-18 13:48
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0612-01) Collected: 29-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG83123	2	05-Aug-18 (LL)	<2 mg/l	
pH	SM4500-H-B	AG83035	0.1	29-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG83130	0.05	29-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG82927	1.8	31-Jul-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG82927	1.8	31-Jul-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1860612

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07-29-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	JULIO LEAL	7-29-18	11:40
Received by	Jordan Corkery	7/29/18	11:40
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

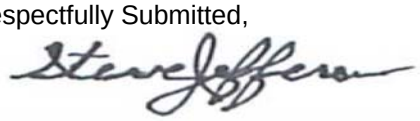
Attention: Ric Vardel
Report Date: 09-Aug-18 13:54
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0645-01) Collected: 30-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AG83123	2	05-Aug-18 (LL)	<2 mg/l	
pH	SM4500-H-B	AH80218	0.1	30-Jul-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG83130	0.05	31-Jul-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG83037	1.8	01-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG83037	1.8	01-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

1806045

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: MCC EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	7/30/18	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/18.3°C
	7/30/18	1150	1	BOD	Grab	AQ	1L P	4°C	
	7/30/18	1150	2	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	7/30/18	1200
Received by	MARJO SANTIESTEBAN (PCL)	7/30/18	1455
Relinquished by	MARJO SANTIESTEBAN (PCL)	7/30/18	1630
Received by			
Relinquished by			
Received in lab by		7-30-18	1000

Sample Received Checklist 4

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 additional terms or amendments to which we have 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 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 clients 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 oral or any 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 (LTLAP), 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 provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the Indemnified Parties) and awards, arising in favor of Client or any third party as a result of, and/or in any way connected, 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. pollution or nuisance of every kind of character. The indemnities given must 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 claims, damages, 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 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 the event that PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit, 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 of cost, incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement, even if client or 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 hydrocarbonic 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 portion of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all biological 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 performed or with prior written and later confirmation in writing. The price schedule is subject to change at any time without notice. Payment in advance of when services is completed is required for all new clients or until a history of payment with prompt accounts has been established with PCL. For those clients with an established credit account, she terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of these 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. Financial amounts are processed through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to agents fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. 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 interpretations 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 yield 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, enhancement, 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 received on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours. Detailed explanation to ensure that the holding times can be met. Short Holding Times of 24 hours or less (bacterial 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 stated 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

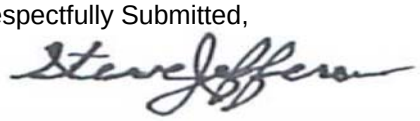
Attention: Ric Vardel
Report Date: 09-Aug-18 14:03
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18G0672-01) Collected: 31-Jul-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80135	2	06-Aug-18 (SGS)	5 mg/l	
pH	SM4500-H-B	AH80218	0.1	31-Jul-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80140	0.05	01-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG83136	1.8	02-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG83136	1.8	02-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 180672

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07-31-18	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	JULIO LEAL (IPC)	7-31-18	1435
Received by	MARIO SANTIESTEBAN (PCL)	7/31/18	1435
Relinquished by	MARIO SANTIESTEBAN (PCL)	7/31/18	1800
Received by			
Relinquished by			
Received in lab by		7-31-18	1800

Sample Received Checklist 4

Temperature upon receipt: _____

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 is to receive 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 to perform the 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 by the client 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 submitted 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 CFR Water and (EGAP), 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 the client or at client's request, and the results obtained by PCL shall be held in confidence, unless such information is generally available to the public or is the public domain or client has ceased to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data, when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries to such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other PCL solutions.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the foregoing elements and awards) arising in favor of Client or any third party as a result of, and/or in any way resulting 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, use of, or title of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client owes to or indemnities owed 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, to the maximum amount permitted under applicable law, in the event that PCL be held by 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 as otherwise provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waster 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 personal 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 required at or when analysis is completed is required for services. Terms of until a history of on going dealing or an account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET COMMA within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amounts unpaid at the end of thirty (30) days is subject to interest at the is rate of the maximum rate permitted below or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to this contract shall be effective only if in writing and executed by an officer of PCL and by clients authorized representatives. 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 an 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 agrees to, and agrees that said data, information and reports are not requested, or shall be used to relay upon, in connection with or as part of any purchase, sale, underwriting, or distribution of any securities, and periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less (bacteria is 6 hours) must be delivered two times daily in order to guarantee holding times are met. After hours, late deliveries, freight company, default or similar issues are subject to additional quick 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 quoted 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.

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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

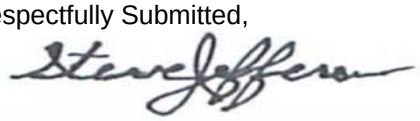
Attention: Ric Vardel
Report Date: 09-Aug-18 14:06
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0030-01) Collected: 01-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80209	2	07-Aug-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AH80218	0.1	01-Aug-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80217	0.05	02-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80136	1.8	03-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80136	1.8	03-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 184080

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	08.01.18	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/29.3°C
			1	BOD	Grab	AQ	1L 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	JULIO LEAL (IPC)	8-1-18	1352
Received by	MARIO SANTIESTEBAN (PCL)	8/1/18	1352
Relinquished by	MARIO SANTIESTEBAN (PCL)	8/1/18	1607
Received by			
Relinquished by			
Received in lab by	PCL	8-1-18	1630

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 condition and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the 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 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's authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

Rush analyses are available for 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 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. All short holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 09-Aug-18 14:09
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0066-01) Collected: 02-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80312	2	08-Aug-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AH80313	0.1	03-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80319	0.05	03-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80215	1.8	04-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80215	1.8	04-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0066

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/02/18	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/02/18	
Received by		Cindy	8.2.18	1240
Relinquished by		Cindy	8.2.18	1500
Received by				
Relinquished by				
Received in lab by			8/2/18	1700

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 to which we agreed to in writing. "Client" means the individual or entity who may request laboratory services, including all services, services and Price Actions, and includes its agents and representatives. "Price Schedule" means PCL's Client Solutions or PCL standard price schedule, as such documents 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 work on its defined terms only under the following General Terms and Conditions (the "Terms"). These Terms shall apply if PCL and the Client have executed a separate agreement covering all matters relating to the Services, or if no such agreement has been executed. A quotation or proposal is valid and binding only if it is in writing and signed by an authorized representative of the Client and PCL.

The Client may place an order by submitting a written order or request to PCL. Any such order constitutes 1. an acceptance of the Terms and 2. PCL's offer to do business with the Client under the Terms and Conditions and 3. an agreement to be bound by these Terms and Conditions. The Client's delivery of samples to PCL or its delivery of consulting services shall constitute the Client's consent to be governed by these terms and conditions. No terms or additional terms and conditions proposed by a Client's purchase order or document or including a part of the order, or which are inconsistent with 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 the profession in the particular locality where PCL will be conducting the investigation, which is a reasonable standard for such the U.S. Environmental Protection Agency (EPA), EA Waterboard (PCAB), American Centers for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC). Standard Methods (SM) of the Examination of Water and Wastewater, or other recognized organizations. PCL makes no warranty or guarantee, express or implied, and disclaims any warranty or guarantee as to the future safety or suitability for any purpose of any property or premises owned, leased or controlled by the Client or others. Any opinions rendered by PCL with respect to compliance with laws, rules, regulations, standards or guidelines are based on the reasonable judgment of PCL personnel at the time the opinions are rendered. Because laws, rules, regulations, standards and guidelines are subject to frequent change and because reasonable persons may differ in their interpretation and application, PCL cannot and does not warrant or guarantee that a governmental agency will not take a position contrary to any opinion rendered by PCL personnel.

PCL's liability for any claim, loss or damage arising out of or in connection with this agreement or the services, whether in contract, tort (including negligence), strict liability or otherwise, shall not exceed the total amount paid by Client to PCL for the services giving rise to the claim. In no event shall PCL be liable for any consequential, incidental, special, punitive or exemplary damages, including, without limitation, loss of profits or business interruption, however caused or under any theory of liability, even if PCL has been advised of the possibility of such damages. The limitations in this section apply to the maximum extent permitted by applicable law, and in no event shall PCL's aggregate liability exceed the amount of insurance proceeds actually paid to Client under PCL's insurance policies in connection with the claim, regardless of whether such insurance coverage is adequate to cover the loss. Client acknowledges that PCL's fees reflect the allocation of risk set forth in this agreement and that PCL would not enter into this agreement without these limitations.

Client agrees to indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses (including, but not limited to, attorneys' fees) that may be asserted by any third party as a result of, arising out of or in any way connected with, directly or indirectly, in whole or in part, the performance of services by PCL pursuant to this agreement and/or the provision of data, information or reports to Client or to any third party, including, but not limited to, claims for property damage, personal injury or death of any kind, and regardless of the cause of action, whether based in contract, tort, strict liability or otherwise, except to the extent such liability is finally determined by a court of competent jurisdiction to have been caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence, gross negligence or willful misconduct of the indemnified Parties, whether active or passive, in the performance of services under this agreement. The foregoing indemnity shall survive the termination of this agreement. Client's indemnity obligations shall not apply to the extent that the loss, damage or liability is caused by the gross negligence or willful misconduct of PCL or its employees. Client's indemnity obligations shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence, gross negligence or willful misconduct of the indemnified Parties, whether active or passive, in the performance of services under this agreement. The foregoing indemnity shall survive the termination of this agreement. To the extent indemnification is not prohibited by applicable law, Client agrees that it will be responsible for all liability, loss and claim coverage to be furnished by Client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to Client for any indirect, punitive, special, incidental or consequential damages, including, without limitation, loss of profits or business interruption, however caused or under any theory of liability, even if PCL has been advised of the possibility of such damages. Client's indemnity obligations shall not apply to the extent that the loss, damage or liability is caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

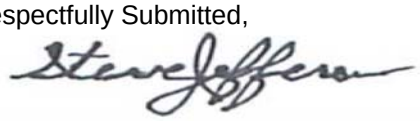
Attention: Ric Vardel
Report Date: 09-Aug-18 14:11
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0063-01) Collected: 02-Aug-18 By IPC						
Ammonia as N	EPA 350.1	AH80632	0.10	06-Aug-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH80308	0.10	03-Aug-18 (SGS)	3.78 mg/l	
Nitrite as N	EPA 353.2	AH80308	0.10	03-Aug-18 (SGS)	0.18 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH80634	0.10	07-Aug-18 (LA)	1.16 mg/l	
Total Suspended Solids	SM 2540D	AH80314	1	03-Aug-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0063

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/02/18	1215	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	
Geotracker EDD:									
Logcode: IPCi Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/02/18	
Received by			8/2/18	1240
Relinquished by			8.2.18	1500
Received by				
Relinquished by				
Received in lab by			8/2/18	1528

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
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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 price schedule and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or 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 explicit assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's purchase order shall be deemed to be only 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 agreed to work 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 sample 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 (SOPs 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 of 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 (inclusive of client's request and the reports required by PCL to be) held in confidence (unless such information is generally available to the public or in the public domain or required to be by PCL by law or regulation) and is not to be disclosed in breach of the agreement (subject to any disclosure required by law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to amount paid in settlement and attorneys' fees and expenses arising in favor of Client or any third party as a result of, and/or in any way relating, related 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, bodily injury, disease or death of persons, loss of, damage to, loss of use of or destruction of property and/or any kind of character. This indemnity shall not apply to any of the foregoing losses, claims, damages, or judgments caused solely by the gross negligence or willful misconduct of PCL or its employees. To the fullest extent permitted by law, client shall indemnify, defend and hold harmless PCL, its officers, directors, employees, agents, affiliates, subsidiaries and parent from and against any and all claims, losses, damages, liabilities and costs (including, but not limited to, reasonable attorneys' fees and costs of defense) arising out of or in any way connected with the performance of services under this agreement, except for claims, losses, damages, liabilities and costs that arise from the sole negligence or willful misconduct of PCL. The foregoing indemnities will be applicable to any liability which the client might otherwise have to PCL and the other indemnified persons. To the fullest extent permitted by law, client agrees that its indemnity obligation will be supported by an adequate public insurance coverage to be furnished by client, with limits of insurance that are 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 of Other Kind (including, without limitation, attorney's fees, court costs and any and all judgment whereof), or any other expenses to exist incurred by client or any other party in any litigation against or including PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste or 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 additional 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 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 list in effect at the time of completion of the date the services were rendered (unless otherwise agreed upon 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 (insert either thirty (30) days from date of invoices. To the fullest extent permitted (that is) by applicable law, any amounts 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 agency fees and related costs such reasonable amount as the courts

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL who is duly authorized to enter into the agreement. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is acting, 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 securities, for securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with (directly or indirectly) any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or inadequately 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 emailed to the client if requested. For analytes 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 tests holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of the 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 stated on the fee schedule. Reasonable time has been allotted 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

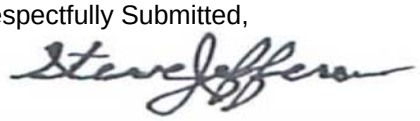
Attention: Ric Vardel
Report Date: 09-Aug-18 14:13
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18H0064-01) Collected: 02-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80312	2	08-Aug-18 (EA)	191 mg/l	
Total Suspended Solids	SM 2540D	AH80314	1	03-Aug-18 (EA)	323 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/9/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0064

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/02/18	1140	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/02/18	
Received by			8.2.18	1240
Relinquished by			8.2.18	1500
Received by				
Relinquished by				
Received in lab by			8/2/18	1500

Sample Received Checklist 4°C

Temperature upon receipt: _____

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Governing Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries and Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 14-Aug-18 16:26
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0100-01) Collected: 03-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80514	2	10-Aug-18 (EA)	3 mg/l	
pH	SM4500-H-B	AH80429	0.1	04-Aug-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80428	0.05	04-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80316	1.8	06-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80316	1.8	06-Aug-18 (PL)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 12401[illegible]

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/03/18	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez	08/03/18	
Received by		Dandelion PCL	8/3/18	1305
Relinquished by		Dandelion PCL	8/3/18	1425
Received by				
Relinquished by				
Received in lab by		PIC	8/3/18	1500

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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1. Definitions

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

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The client may order services by submitting a written Letter of Custody (LOC) 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 utilization of consulting services constitutes the Client's express assent to be governed by the terms and conditions herein. Any and all 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, "persons" shall mean all work to be performed for the Client, including provision of all equipment, instruments 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) at 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 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 subsidiary to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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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.

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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 analyses provided to clients 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 filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other data of PCL.

10. Hold Harmless

Client releases, will 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 costs of all manners including, but not limited to, all court fees, litigation expenses, and reasonable attorney's fees 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, caused or transmitted on, to and/or by client's hazardous materials. E.g., injury, illness or death of person(s), personal damage to, loss of or loss of property, arising out of improper use of many kinds of waste. This indemnity does not apply to any of the foregoing losses, costs, damages, suits or claims caused 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 description arising out of or in connection with the negligence or breach of contract caused by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might have to PCL and the obligations set forth herein. To the extent any indemnity would violate 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, consequential or incidental damages (including without limitation, loss of profit or business interruption, litigation expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or the services provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material for analysis which are, asbestos, radioactive substances, biological 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 waste 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 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 effective at the time of execution of the order 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. Prepayment may be required when analytical requirement is required for all new clients or where a history of payment and/or credit account has not been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET CASH within thirty (30) days from dated invoices. If the client commences litigation or will be applicable law, any amounts unpaid at the end of thirty (30) days is subject to the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection 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'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 obligating no rights hereunder for the work, accounts and notes, report or services, or in any other representation thereof to any other person or entity. Client agrees and acknowledges that there are no third party beneficiaries to this agreement, and that no third parties may rely on PCL's data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to be used, or shall be used to secure credit in connection with or in any way purchase, sale, hypothecation, or distribution of the securities, any periodic or other reporting to the holders of any security, investment, instrument or collateral, any loan from any financial institution or other lender or the certification to or consulting 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 subsequent request, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because samples that are delivered on weekends or after business hours 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 unless PCL to meet holding times without applying a rush surcharge. All tests holding times of 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 must be delivered the same day in order to guarantee holding times are met. After hours, late deliveries, freight forwarder 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. Prolonging long term storage is subject to an additional charge. Samples will be discarded at the end of the period unless storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been stated 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: 14-Aug-18 16:30
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0113-01) Collected: 04-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80514	2	10-Aug-18 (EA)	14 mg/l	
pH	SM4500-H-B	AH80516	0.1	05-Aug-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80519	0.05	04-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80427	1.8	06-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80427	1.8	06-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1SH0113

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/04/18	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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. Alvarez	Carlos Alvarez	08/04/18	1210
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	8-4-18	1210
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions as may, including the Quote reference, and any subsequent amendments or waivers, which are signed and in writing. "Client" means the individual or entity who has retained PCL directly for PCL consulting or sampling services and/or laboratory testing services. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such may periodically 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

Any written and oral acceptances for Services (as defined herein) are made under the following terms of commercial reasonableness (the "Terms"). These Terms shall not supersede and be superseded only by executed written agreements existing which address the subject matter hereof. No modifications of the Terms shall be valid and binding unless in writing and executed by authorized representatives of the Client and PCL.

The Client may place an order by submitting a written PCL proposal, quotation, or work authorization form signed by an authorized representative of the Client, or by providing PCL with the Client's written or oral instructions to perform the services described in the proposal, quotation, or work authorization form (collectively, the "Services"). Client's order is subject to and expressly limited to these Terms and conditions contained herein. PCL's acceptance of Client's order is expressly limited to these Terms and conditions contained herein. Any additional or different terms proposed by Client are rejected unless expressly accepted in writing by PCL. Client's acceptance of any of the Services performed by PCL after receipt of these Terms shall constitute Client's acceptance of these Terms. Unless otherwise agreed to in writing by PCL, Client shall pay PCL for Services in accordance with PCL's Price Schedule in effect at the time the Services are performed. Client shall pay all invoices within thirty (30) days of the date of the invoice. Late payments are subject to interest charges of 1.5% per month on the unpaid balance. In the event any payment is not received by PCL within thirty (30) days of the invoice date, PCL may suspend performance of Services until payment is received. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of overdue amounts. Client shall notify PCL of any billing disputes within fifteen (15) days of the invoice date, or such disputes shall be deemed waived. Client shall pay all undisputed amounts in accordance with the payment terms set forth herein.

4. Limit of Liability

PCL will perform the Services in accordance with the normal standards of professionals in the profession within the locality. PCL will use laboratories and analysts which are in substantial conformity with the U. S. Environmental Protection Agency (EPA), US Underground Oil, API, American Society for Testing and Materials (ASTM), Standard Methods (SM) of the Examination of Water and Wastes and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of contaminants of the sample or otherwise based on the reasonable judgement of PCL. Client will be invoiced at a rate consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The aforementioned PCL officers, agents, employees or subcontractors (the "Client Parties") will perform all services with the standards to be provided herein, that in no event shall the Client's remedy for its Services, Client's exclusive remedy and PCL's entire liability for any claim arising out of the Services be limited to the lesser of the invoiced amount for the services in question 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. Adding PCL of the same, and all information required for suitable 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 its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Each party (the "Receiving Party") agrees to maintain in confidence and not disclose to any third party any information received from the other party (the "Disclosing Party") that is identified as confidential or proprietary or that ought to be considered confidential or proprietary under the circumstances of its disclosure, except as required by law or court order. PCL may disclose the results of the Services to regulatory agencies as required by law. Client agrees that PCL may use Client's name in lists of customers and in boilerplate descriptions of PCL's capabilities.

10. Hold Harmless

Client shall indemnify, defend, and hold harmless PCL, its employees, officers, and agents from any and all claims, demands, and causes of action of every kind and character, including the amount of judgments, penalties, interest, court costs, and legal fees incurred by PCL and its agents, arising in whole or in part from Client's negligent acts or omissions, willful misconduct, or breach of this Agreement, to the extent such claims are not caused by the negligence or willful misconduct of PCL.

11. Hazardous Substances

For the purposes of this Agreement, "Hazardous Substances" shall mean any substance, material, or waste that is classified, regulated, or defined as hazardous, toxic, or dangerous under any applicable federal, state, or local laws, rules, regulations, or ordinances, including but not limited to the Resource Conservation and Recovery Act (RCRA), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and any amendments thereto. Hazardous Substances include, but are not limited to, petroleum products, asbestos, polychlorinated biphenyls (PCBs), heavy metals, radioactive materials, and any substances designated as hazardous by the Environmental Protection Agency (EPA) or any other governmental agency. Client represents and warrants that it has disclosed to PCL all known or suspected Hazardous Substances that may be present at the site where PCL is to perform its services. Client shall indemnify, defend, and hold harmless PCL, its employees, officers, and agents from any and all claims, demands, causes of action, damages, losses, costs, expenses, fines, penalties, and liabilities (including reasonable attorneys' fees and court costs) arising out of or in connection with the presence, release, or disposal of Hazardous Substances at the site, except to the extent such claims arise from the sole negligence or willful misconduct of PCL. This indemnification shall survive the termination of this Agreement.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's then current price schedule in effect at the time of performance of the Services, unless otherwise agreed to in writing. The price schedule is subject to change at any time without notice. However, in advance of any such change, a proposal for the performance of work or other Services requested by Client shall be accepted by PCL, then such Services shall be performed in accordance with the price schedule in effect at the time of acceptance. Client shall pay PCL all amounts owing for Services within thirty (30) days from date of invoice. Partial payments received by PCL at any time after such thirty day period shall not prevent PCL from exercising any remedies available to it at law or in equity. PCL reserves the right to charge interest on the late payment of invoices at the rate of 1.5% per month or the maximum rate permitted by law, whichever is less. In the event PCL is required to employ legal counsel or other agents to collect any amounts owed by Client, Client shall pay all reasonable attorneys' fees, court costs, and other collection expenses incurred by PCL.

13. Agreement Modification

Changes, modifications, or amendments to the terms of this Agreement must be in writing and signed by authorized representatives of both Client and PCL. No oral agreements or understandings shall be binding unless confirmed in writing by the authorized representatives of both parties.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for Client's use of the data, reports, or other information. All reports prepared by PCL shall be for the sole, confidential, and exclusive use of Client. Client shall not provide any report, data, or other information prepared by PCL to any third party without the prior written consent of PCL. Any unauthorized distribution or reliance by third parties shall be at Client's sole risk and responsibility. Client shall indemnify, defend, and hold harmless PCL from any and all claims, demands, losses, liabilities, and expenses (including reasonable attorneys' fees and court costs) arising out of or in connection with any unauthorized use, distribution, or reliance by third parties on PCL's data, reports, or other information. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than Client and PCL, and all duties and responsibilities undertaken pursuant to this Agreement shall be for the sole and exclusive benefit of Client and PCL and not for the benefit of any other party. Client agrees to secure at Client's own expense all permits, approvals, licenses, consents, and authorizations necessary for the performance of the Services, including but not limited to those required for access to the site, and shall indemnify, defend, and hold harmless PCL from any and all claims, demands, losses, liabilities, and expenses (including reasonable attorneys' fees and court costs) arising out of or in connection with Client's failure to secure such permits, approvals, licenses, consents, and authorizations. Client shall indemnify, defend, and hold harmless PCL from any and all claims, demands, losses, liabilities, and expenses (including reasonable attorneys' fees and court costs) arising out of or in connection with any unauthorized use, distribution, or reliance by third parties on PCL's data, reports, or other information. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than Client and PCL, and all duties and responsibilities undertaken pursuant to this Agreement shall be for the sole and exclusive benefit of Client and PCL and not for the benefit of any other party.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the client cannot be contacted within the agreed upon window, PCL will proceed with the analysis at the client's expense.

16. Holding Times

PCL will perform reasonable efforts to meet all holding times for samples submitted by Client. However, PCL shall not be liable for any delays or failures to meet holding times caused by circumstances beyond PCL's reasonable control, including but not limited to delays in sample collection, shipping, or receipt by PCL, or any force majeure events. Client shall provide PCL with sufficient information and lead time to allow PCL to meet holding times. Client shall be responsible for any additional charges incurred by PCL to meet holding times requested by Client, including but not limited to charges for overtime, expedited shipping, or subcontracting. PCL shall not be liable for any consequential damages resulting from the failure to meet holding times, including but not limited to lost profits, lost business opportunities, or damages to third parties. Client shall indemnify, defend, and hold harmless PCL from any and all claims, demands, losses, liabilities, and expenses (including reasonable attorneys' fees and court costs) arising out of or in connection with any failure to meet holding times, except to the extent such failure is caused by the gross negligence or willful misconduct of PCL. Client shall be responsible for any additional charges incurred by PCL to meet holding times requested by Client, including but not limited to charges for overtime, expedited shipping, or subcontracting. All analyses with holding times of 24 hours or less, samples must arrive at the PCL laboratory 24 hours prior to the holding time to guarantee holding time. All other holding times, 48 hours, samples must arrive at the lab within 24 hours prior to expiration to meet the holding time. Client must notify PCL of any holding times that are shorter than standard holding times. Client must be aware that some analyses have short holding times and cannot be guaranteed. Holding times are met after hours, late delivery, weight 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 up to thirty (30) days after receipt, unless otherwise specified. Samples are kept for longer periods by request only. The arranged long term storage is subject to an additional storage charges. Samples will be discarded at the end of the 30 day storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been estimated on the fee schedule. Because the time between estimating and pick up is unclear, unnecessary delays during the pick up or sampling might be subject to additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

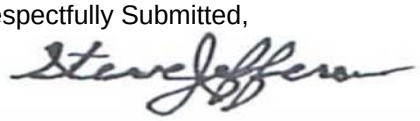
Attention: Ric Vardel
Report Date: 14-Aug-18 16:32
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0117-01) Collected: 05-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80733	2	12-Aug-18 (VL)	16 mg/l	
pH	SM4500-H-B	AH80637	0.1	05-Aug-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80635	0.05	06-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80515	1.8	07-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80515	1.8	07-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: ~~18H0117~~ 18H0117

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08-05-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	BOD	Grab	AQ	1L 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	JULIO LEAL	8-5-18	1250
Received by	Jordan Corkery	8/5/18	1250
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 14-Aug-18 16:35
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0129-01) Collected: 06-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80733	2	12-Aug-18 (VL)	5 mg/l	
pH	SM4500-H-B	AH80908	0.1	06-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80725	0.05	07-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80638	1.8	08-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80638	1.8	08-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0129

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/06/18	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 28.1°C
			1	BOD	Grab	AQ	1L 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	Carlos Alvarez	08/06/18	11:50
Received by	Cindy. (PCL)	8/6/18	11:50
Relinquished by	Cindy	8/6/18	13:00
Received by			
Relinquished by			
Received in lab by		8/6/18	1300

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Client" and "you/your" mean these Terms and conditions of use, including the price schedule, and any agreements or amendments knowingly recognized by writing. "Client" means the additional or entity who may receive any story services, including or sampling services and his or its heirs, successors, assigns and representatives. "Private Enterprise" means Pat-Chem Laboratories (PCL) Hazlehurst, Georgia, as both agreements 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 described herein only under the following General Terms and Conditions (the "Terms"). The following shall apply: 1) to the extent that none exclusive agreement is acting which governs the transaction, 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 order of customer (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 this contract or create any exceptions to 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 in substantial compliance with the U.S. Environmental Protection Agency (EPA), EA Waterboard Group), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, and/or other recognized 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 professional judgment of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and the PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors for any claims and all suits in connection with the services to be provided herein, shall not exceed the invoice 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 provision 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 allowing 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 its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Each party (the "receiving party") shall hold in confidence all information received from the other party (the "disclosing party") that is designated as confidential or proprietary or that reasonably should be understood to be confidential or proprietary given the nature of the information and the circumstances of disclosure. The receiving party shall: (a) use the disclosing party's confidential information only for the purposes of performing its obligations under this agreement; (b) limit access to the disclosing party's confidential information to those of its employees, agents, and subcontractors who need to know such information for the purposes of performing its obligations under this agreement and who are bound by written confidentiality obligations at least as protective as those set forth in this section; and (c) not disclose the disclosing party's confidential information to any third party without the prior written consent of the disclosing party. The receiving party shall not be liable for disclosure or use of information that: (a) is or becomes generally available to the public other than as a result of a breach of this agreement; (b) was lawfully known to the receiving party without restriction before disclosure by the disclosing party; (c) is lawfully obtained from a third party without restriction and without breach of any confidentiality obligation; or (d) is required to be disclosed by law, regulation, or court order, provided that the receiving party gives the disclosing party prompt written notice of such required disclosure and reasonably cooperates with the disclosing party's efforts to obtain a protective order or other appropriate remedy. Upon the termination or expiration of this agreement, or upon the disclosing party's written request, the receiving party shall promptly return or destroy all copies of the disclosing party's confidential information in its possession or control, and shall certify in writing to the disclosing party that it has done so. The obligations of confidentiality set forth in this section shall survive the termination or expiration of this agreement for a period of three (3) years.

10. Hold Harmless

Client agrees to, and shall hold harmless, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries, and current members from and against any and all liabilities, losses, damages, claims, demands, lawsuits, actions, and expenses (including, but not limited to, attorneys' fees and costs of suit, court and arbitration costs, and expert witness fees) of every kind and nature whatsoever, arising out of, or in any way relating to: (a) any breach by client of any of its obligations, representations, or warranties under this agreement; (b) any negligent or willful misconduct of client or its employees, agents, or subcontractors; (c) any claim, demand, or action by any third party alleging that client's use of the services, or the results or reports delivered to client by PCL pursuant to this agreement, and/or client's handling or possession of client's hazardous materials, infringes, violates or misappropriates any patent, copyright, trademark, trade secret, or other intellectual property right of any third party; (d) any claim, demand, or action by any third party for bodily injury, death, damage to, or loss of use of property, arising out of or relating to client's hazardous materials, or client's handling, possession, use, storage, transportation, or disposal of client's hazardous materials; or (e) any violation by client of any applicable law, rule, or regulation. 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) of any kind whatsoever, even if such damages were foreseeable and whether or not client or PCL has been advised of the possibility of such damages, and regardless of the basis upon which the liability is claimed. In the event PCL is found liable to client for any direct damages, client agrees that the total liability of PCL, its affiliates, officers, agents, employees, and subcontractors, whether such liability arises in contract or tort (including, but not limited to, negligence and strict liability), or otherwise, shall not exceed the total compensation received by PCL hereunder or the maximum sum as may be permitted by applicable law, whichever is less. 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) of any kind whatsoever, even if such damages were foreseeable and whether or not client or PCL has been advised of the possibility of such damages, and regardless of the basis upon which the liability is claimed. In the event PCL is found liable to client for any direct damages, client agrees that the total liability of PCL, its affiliates, officers, agents, employees, and subcontractors, whether such liability arises in contract or tort (including, but not limited to, negligence and strict liability), or otherwise, shall not exceed the total compensation received by PCL hereunder or the maximum sum as may be permitted by applicable law, whichever is less.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide PCL with non-hazardous samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other substances or toxic materials, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL agrees to return any remaining or left over sample or test material or dispose of in accordance with client's instructions. Client represents that any hazardous material provided by PCL from client 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 PCL's 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 analytical testing, 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 then-the price schedule in effect at the time of commission of the work the services were rendered, which shall be quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or client analysis is considered required for all new clients or client's history of payment and records of work has been established with PCL. For many clients with an established credit account, the terms for payment of invoices are net eight (30) days from date of invoices. To the fullest extent permitted at law by applicable law, any amount owed by the net 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 to be sent through legal proceedings or by an attorney, the client shall pay reasonable court and attorney fees or agents' fees associated with said 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 clients authorized representative. Any changes subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or servant, 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 to be used, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities or 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 dealings with brokers, underwriters, and governmental agencies or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other short notice without prior notification and acceptance. Standard holding times and preservation methods should be followed as set by 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 3-7 days, samples must arrive at the lab within 24 hours before we can work to ensure that the holding times can be met. Short Holding Times of 48 hours or less that require 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 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

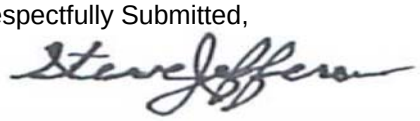
Attention: Ric Vardel
Report Date: 14-Aug-18 16:37
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0181-01) Collected: 07-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80827	2	13-Aug-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AH80908	0.1	07-Aug-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80835	0.05	08-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80734	1.8	09-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80734	1.8	09-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1811081

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/07/18	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez	08/09/18	
Received by		David Lara PCL	8/7/18	1422
Relinquished by		David Lara PCL	8/7/18	1832
Received by				
Relinquished by				
Received in lab by		PCL	8-7-18	1900

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	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 to which are agreed to in writing. "Client" means the individual or entity who is to receive laboratory services, consulting or sampling services and who is to pay fees, assessments, charges and expenses. "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 conditions and 2. an agreement to be bound by those terms and conditions.

The Client's delivery of samples to PCL or initiation of scheduling services constitutes the client's express assent to the provisions of these terms and conditions. No contrary or additional terms and conditions expressed in a client's communications shall be deemed to become a part of the agreement 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 current standards of care/diligence 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 (RWQB), 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's standard operating procedures (SOP's) 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 execution of a work order and/or payment releases PCL from any liability in excess of the invoiced amount for the services (s) 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 assisting PCL of the scope 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 its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material provided by or on behalf of 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 performed as per provisions 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 said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiary of such reports, data or information. Client without disclosure to any third party any information concerning client's confidential information, software, proprietary or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all costs for the litigation (experts and witnesses) arising in favor of client or any third party, as a result of, related in any way to arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, receiving or disposal of client's hazardous materials, or injury, illness or death of persons (including, without limitation, all loss of use of property and all consequential loss of any kind of character). The indemnity described apply to any of the foregoing which exists, claims, demands, suits, causes of action or loss 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 conduct of any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities are in addition to any duties which the client might otherwise have to PCL and the other indemnified persons. To the extent that client, under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be, to the maximum amounts permitted under applicable law, in no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or the amount of 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 any 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 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 personal 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 requests PCL, in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order, the services as requested or as may subsequently be confirmed in writing. The price schedule is subject to change at any time without notice. Payment is expected for client analysis is completed. It is agreed that all new clients or with credit or payment and/or credit accounts not been established with PCL. No client, client's agent or any associated party, including, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by all or in part, any amount unpaid at the end of that day shall be 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 any old amount is collected through legal proceedings or by an attorney, or client shall pay reasonable costs and attorney's fees or costs. Non-established with credit collection process will be:

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 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. Client is agent and acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to be relied upon by client to effect such, in connection with or as part of any investment, sale, underwriting, solicitation of sale, securities, and participation other reporting, or the purchase of any lease or the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded as a result 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 72 hours or less, samples must arrive within 24 hours of sampling to allow PCL to meet holding times. All analyses with holding times of 48 hours or less must arrive within 24 hours to allow PCL to meet holding times. All analyses with holding times of 24 hours or less (bacteria) must be delivered the same day in order to guarantee holding times are met. Short notice, 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 quoted 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

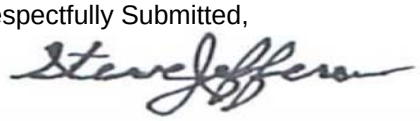
Attention: Ric Vardel
Report Date: 14-Aug-18 16:41
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0203-01) Collected: 08-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH80910	2	14-Aug-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AH80908	0.1	08-Aug-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH80913	0.05	09-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80834	1.8	10-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80834	1.8	10-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 180203

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08-08-18	13:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Julio Leal	8-8-18	
Received by	David Lau PCL	8/8/18	1402
Relinquished by	David Lau PCL	8/8/18	1502
Received by			
Relinquished by			
Received in lab by			

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

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

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 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 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 not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is given or available to the public, or in the public domain, or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees none shall be any third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary or confidential technical information provided by PCL.

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 liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys fees (the aforementioned expenses shall accrue as long as there or any third party as a result of, and/or in any way 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, use of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall not be wholly applicable to client, client does also release PCL of every kind and character arising out of or in connection with the negligence of or breach of contract by any intermediate 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 (regulatory expenses or citation fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for 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 bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations and/or date the services were rendered or as otherwise specified in sales confirmation or writing. The price schedule is subject to change at any time without notice. Payment is due upon receipt of invoice unless otherwise agreed to in writing. If credit or a monthly payment and/or credit account has been established with PCL for those clients with such established clients accepted, the terms for payment of charges per PCL's then-in-effect Price Schedule from date of invoice. To the fullest extent permitted by all applicable law, any amount owed to PCL not paid when due shall be 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 of PCL's collection efforts.

13. Agreement Modification

All waivers, modifications or amendments of the terms shall be effective only if in writing and executed by authorized 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 or recipient services hereunder for its own accounts, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not relied on, or shall be used to rely upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, and period (, or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other investor or the classification of or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less (Standard is 48 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 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 invoice 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

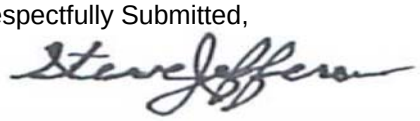
Attention: Ric Vardel
Report Date: 17-Aug-18 15:19
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0237-01) Collected: 09-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81008	2	15-Aug-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AH81125	0.1	09-Aug-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81021	0.05	10-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH80907	1.8	11-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH80907	1.8	11-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/17/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18M0237

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/09/18	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (CAC)	08/09/18	
Received by	EB	Emily	8.9.18	1245
Relinquished by	EB	Emily	8.9.18	1500
Received by				
Relinquished by				
Received in lab by		VLL	8.9.18	16:00

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

Preservations

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided 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 the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical info matters, software programs or other know-how.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and (when) confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is presented is required for all new clients or clients a history of payment and/or credit has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30DAYS which is 30 days from date of invoices. To the fullest extent permitted by all applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of (a) the maximum rate permitted by law or (b) 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 assess" fees associated 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 placed orally 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 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 required by, or shall be used to rely upon, in connection with or as part of the purchase, sale, underwriting, or syndication 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 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, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analysis 48 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: 17-Aug-18 15:16
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0236-01) Collected: 09-Aug-18 By IPC						
Boron	EPA 200.7	AH81005	0.10	10-Aug-18 (AF)	0.78 mg/l	
MBAS	SM 5540C	AH81004	0.20	10-Aug-18 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AH81331	5	13-Aug-18 (VD)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AH81534	0.03	16-Aug-18 (LA)	0.04 mg/l	
Total Dissolved Solids	SM 2540C	AH81336	5	15-Aug-18 (EA)	740 mg/l	
Chloride	EPA 300.0	AH81012	1.0	10-Aug-18 (PL)	215 mg/l	
Sulfate as SO4	EPA 300.0	AH81012	0.5	10-Aug-18 (PL)	126 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/17/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1811236

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/09/18	1205	1	SO4, Cl, 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	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPL)	08/09/18	
Received by		8.9.18	1245
Relinquished by		8.9.18	1500
Received by			
Relinquished by			
Received in lab by		8-9-18	16:22

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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 price schedule, and any addendums or amendments to 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 service(s) 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 WaterReuse (FLAP), 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 provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to all court fees (the obligation to indemnify and defend falling 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 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, loss of, or loss of use of property and/or 3. nuisance (of any kind or character). This indemnity provision applies to any of the foregoing losses, costs, damages, or suits caused solely by the sole negligence or willful misconduct of PCL or its employees. For more information, visit: Specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence (or alleged negligence) of any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extend necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance in 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) resulting from Experts or other fees (including, without limitation, attorney's fees, court costs, and fees on appeal [judgment interest]), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any work product or services in connection with this agreement to the maximum amounts permitted 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 designated as such under federal, state or local laws, rules, PCL's policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of 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 advance for each 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 by all 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 procedures or actions.

13. Agreement Modification

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

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or 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. Client's representations, warranties, and agrees that said data, information and reports are not requested, or shall be used to refuse, or as conditions with or as part of, the purchase, sale, underwriting, or distribution of any securities. Any personal 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 participating with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after hours on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All other holding times 7-7 days, samples must arrive at the lab within 24-5 days before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) samples 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 stated 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: 14-Aug-18 16:44
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0234-01) Collected: 09-Aug-18 By IPC						
Ammonia as N	EPA 350.1	AH81007	0.10	10-Aug-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH81017	0.20	10-Aug-18 (LA)	4.67 mg/l	
Nitrite as N	EPA 353.2	AH81017	0.02	10-Aug-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH81333	0.10	14-Aug-18 (LA)	0.72 mg/l	
Total Suspended Solids	SM 2540D	AH81009	1	10-Aug-18 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/14/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810234

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/09/18	1205	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	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/09/18	
Received by			8.9.18	1245
Relinquished by			8.9.18	1500
Received by				
Relinquished by				
Received in lab by			8.9.18	

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by those 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 sample 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 condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees, (the "Litigation Expenses") and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons, 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial or other injury of any kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any 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 other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL 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 upon analysis is required for all new clients or clients with a history of payment and/or credit account has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as will be established by 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 agents' fees associated with such collection process 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 in securing services responsible 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, in any way, 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 analytes 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

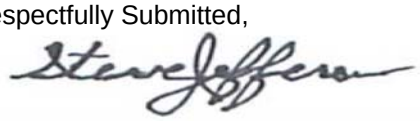
Attention: Ric Vardel
Report Date: 17-Aug-18 15:14
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18H0233-01) Collected: 09-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81008	2	15-Aug-18 (EA)	504 mg/l	
Total Suspended Solids	SM 2540D	AH81009	1	10-Aug-18 (EA)	208 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/17/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18V10233

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/09/18	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/09/18	
Received by	EB	Carlos (PCL)	8.9.18	1245
Relinquished by	EB	Carlos (PCL)	8.9.18	1500
Received by				
Relinquished by				
Received in lab by			8.9.18	1600

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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)'s 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 hereof) 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 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.

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 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 would employ to its own confidential data and shall not be responsible for unauthorized disclosure of such data, where such standard was followed. PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorneys fees (including 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 hazard ous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any unidentified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities are in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party to any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or client with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 48 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 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 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: 23-Aug-18 14:15
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0269-01) Collected: 10-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81237	2	17-Aug-18 (EA)	8 mg/l	
pH	SM4500-H-B	AH81125	0.1	10-Aug-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81126	0.05	11-Aug-18 (JC)	0.92 mg/l	
Fecal Coliforms	SM 9221E	AH81016	1.8	12-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81016	1.8	12-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18M0269

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/10/18	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/10/18	
Received by		David Lara PCL	08/10/18	1358
Relinquished by		David Lara PCL	8/10/18	1415
Received by				
Relinquished by				
Received in lab by		PCL	8/10/18	1600

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 for delivery hereof 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 thereby 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 [illegible]

9. Confidentiality

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

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of such orders on the date the services were rendered or such prices otherwise agreed to in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security as may be required for all new clients or upon 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 permissible 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 the reasonable costs and attorney's fees incurred, both with and without litigation, plus collection 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. In excess 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 of 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 negotiate 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 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 (Specialty 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

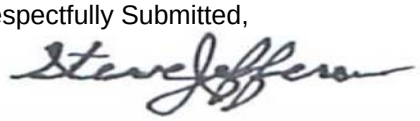
Attention: Ric Vardel
Report Date: 04-Sep-18 10:16
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0269-01) Collected: 10-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81237	2	17-Aug-18 (EA)	8 mg/l	
pH	SM4500-H-B	AH81125	0.1	10-Aug-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81126	0.05	11-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81016	1.8	12-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81016	1.8	12-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2018
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 23-Aug-18 14:18
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0277-01) Collected: 11-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81237	2	17-Aug-18 (EA)	5 mg/l	
pH	SM4500-H-B	AH81335	0.1	11-Aug-18 (SS)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81334	0.05	11-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81124	1.8	13-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81124	1.8	13-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0277

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	08/11/18	0850	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1/24.3°C
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/11/18	1412
Received by		MARIO SANTIESTEBAN (PCL)	8/11/18	1412
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/11/18	1555
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or amended terms to which we have 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 its 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"). Those below shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may place services by submitting a written chain of custody (COC) to PCL. Any such order constitutes Client's acceptance by the client of PCL's offer to do business with the client under the terms and conditions stated. 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 become a part of the contract created upon acceptance of the terms and conditions.

For the 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 (CAWP), 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 sample(s) 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 material provided by client or at client's request and the reports prepared by PCL shall be held in confidence (unless such information is generally available to the public or to 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 recognizes the value and need for care in collecting and handling confidential data and shall not be responsible for unauthorized disclosure of such data where such handling was in accordance with PCL reports and proposals provided thereto and for the purpose and limit of liability set forth in this agreement. PCL disclaims any third party beneficiary status. Data or information obtained or developed by PCL during the course of work performed under this agreement shall be the property of PCL.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent companies from and against any and all claims, losses and damages, causes of action, suits and liabilities of every kind, including, but not limited to, attorneys' fees, litigation expenses and costs, arising on behalf of Client or any third party, as a result of, and/or in any way relating, incident or arising out of or in connection with the performance of services by PCL pursuant to this agreement, and/or transporting, handling or disposal of client's hazardous materials. This release or decision of persons 2, 3 or 4 of damage to, loss of, or use of, or destruction of property and/or 5. personal injury, illness or death of any kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages or liabilities caused solely or in part by the negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover, compensate and defend any and all claims, demands and causes of action of every kind and character arising out of or in connection with any negligence or act or omission of client or any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will not in addition to any liability which the client may otherwise have to PCL and the other indemnified persons. To the extent necessarily 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 (unless 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 of all expenses PCL could sustain 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

If it 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, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab or field 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 commencement of the date the services were rendered or with price quotes and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon delivery of reports is required for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established account, or such, the terms for payment of charges are NET [ ] days from date of invoice. To the extent permitted by law, any amount which is not paid within thirty (30) days from date of invoice, any amount which is not paid within thirty (30) days from date of invoice, any amount which is not paid within thirty (30) days from date of invoice

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

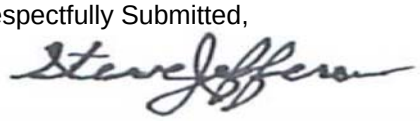
Attention: Ric Vardel
Report Date: 23-Aug-18 14:20
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0282-01) Collected: 12-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81429	2	19-Aug-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH81335	0.1	12-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81334	0.05	12-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81236	1.8	14-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81236	1.8	14-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18.1026

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08-12-18	08:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	JULIO LEAL	8-12-18	1132
Received by	Jordan Corkery	8/12/18	1132
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist 9

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 for all its rights, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of sampling services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care and ways of protecting its own confidential data and shall not be responsible for unauthorized disclosure of data here which such data was received from PCL reports are informative, provided they are for the exclusive use and benefit of client and client agrees they shall not be third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other intellectual.

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 (plus Litigation Expenses) and diversity arising in favor of Client or any third party, as a result of, and/or in any way or, arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or it's participation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property, and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or on breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and for pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any 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 in advance or upon receipt of completed is required for all new clients or until a history of payment and credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of the (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection (pre judgment 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been 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 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: 23-Aug-18 14:22
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0298-01) Collected: 13-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81429	2	19-Aug-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH82032	0.1	13-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81430	0.05	14-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81337	1.8	15-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81337	1.8	15-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810298

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	8/13/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.19 16.4°C
	"	"	1	BOD	Grab	AQ	1L 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	Juan Aguilar IPC	8/13/18	
Received by	Cindy (PCL)	8/13/18	12:50
Relinquished by	Cindy	8/13/18	14:25
Received by			
Relinquished by			
Received in lab by		8/13/18	1428

Sample Received Checklist

Temperature upon receipt: 4C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 thereto which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The Client may place orders for submitting a written request of services (SOR) 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 of T. In agreement to be bound by these terms and conditions.

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

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Watershed (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 by client or at client's request and the results obtained by PCL shall be held in confidence unless such data or 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 statement required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized interception of test data where such material was provided. PCL reports and information provided is intended solely for the exclusive use and benefit of client and such reports, data or information. Client will not disclose any such reports, data or information to any third party beneficiary of such reports, data or information without prior written consent of PCL. Client will not disclose any PCL test data, information, training techniques, approaches, procedures or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and consequent expenses including, but not limited to, court fees, (the "Liabilities") incurred by such persons arising in favor of Client or any third party as a result of, and/or in any way relating to, or which is caused by, 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. In equity, give rise or decision of paragraph 2, sum of damage by knife or item of use of property to the P. Executive Hall of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, liabilities or expenses caused solely by the active negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of duty of any and all independent persons, whether acting or engaged 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 indemnification 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 or consequential damages of any kind, including, without limitation, loss of profits (including anticipated litigation expenses) or other loss (including, without limitation, attorney's fees, court costs, and pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by a 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 (except to the extent existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all biological 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 hire/delivery or 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 with or without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, all accounts not paid when due shall be subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1½) per month, or the highest balances of unpaid amounts are forwarded to collection attorneys. In the event of any dispute over any amount billed to client, client shall pay the undisputed amount when due and provide written notice to PCL within ten (10) days of receipt of invoice of the basis for disputing the balance of the invoice. Payment of undisputed amounts shall not be withheld pending resolution of any disputed amounts. Client shall pay all costs of collection, including reasonable attorneys' fees and court costs, incurred by PCL in connection with the collection of any unpaid amounts.

13. Agreement Modification

Changes, modifications or amendments to the terms of this agreement 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 in securing services from PCL for third party account, shall act as agent or broker, or in any other representative capacity for another 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 represented on behalf of, used to reflect upon, in connection with or as part of, the purchase, sale, underwriting, or evaluation of any securities, any person, or other security or the holders of any security, the servicing, amortization, renewal, or extension of any loan from any financial institution or other lender or the participation in or connection with any of the foregoing transactions, or any other similar or dissimilar transaction.

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 received 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 you upon request. All analyses with holding times of 14 days or less, samples must arrive within 96 hours or 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 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 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 as 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

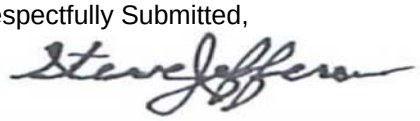
Attention: Ric Vardel
Report Date: 23-Aug-18 14:25
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0328-01) Collected: 14-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81429	2	19-Aug-18 (VL)	2 mg/l	
pH	SM4500-H-B	AH82032	0.1	14-Aug-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81430	0.05	14-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81426	1.8	16-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81426	1.8	16-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1841328

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/14/18	1230	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (SRC)	08/14/18	
Received by	EG	Evan PCL	8.14.18	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PCL	8/14/18	16:00

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
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 as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

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

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

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

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at 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 published price schedule in effect at the time of execution of this agreement or, if the services were rendered or work performed before confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when otherwise requested 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 (or within thirty (30) days from date of invoice). To the fullest extent permitted by law and applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the rate of one (1%) per month (or the highest amount 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 to recover from any client's failure to pay promptly or other proceedings or efforts.

13. Agreement Modification

No agreements or amendments to the Terms shall be effective or binding and executed by an officer of PCL and by client authorizing the expenditure, 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 acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not prepared or shall be used to rely 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 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (excluding 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.

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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

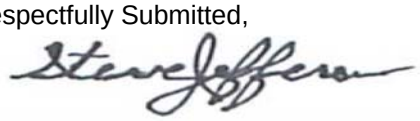
Attention: Ric Vardel
Report Date: 23-Aug-18 14:27
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0373-01) Collected: 15-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81607	2	21-Aug-18 (EA)	11 mg/l	
pH	SM4500-H-B	AH81830	0.1	15-Aug-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81612	0.05	16-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81542	1.8	17-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81542	1.8	17-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1840373

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/15/18	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4/26.6°C
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/15/18	1404
Received by		MARIO SANTIESTEBAN (PCL)	8/15/18	1404
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/15/18	1600
Received by				
Relinquished by				
Received in lab by		PL	8-15-18	1600

Sample Received Checklist

Temperature upon receipt: 2/

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; 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 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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3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under its 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 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 is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and observations provided thereto are for the exclusive use and benefit of client and client agrees that it shall not be third party beneficiary of our reports, data or information. Client will not distribute to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of 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 PCL credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as allowed by applicable law, any amount unpaid at the end of the thirty days of issue (or interest) or the date of the invoice (whichever is earlier) shall bear interest at the rate of 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 and agents' fees associated 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 responsibility or liability for client's use of or reliance on 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. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall not be used to rely upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any portfolio or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

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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 term.

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: 23-Aug-18 14:33
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0374-01) Collected: 15-Aug-18 By IPC						
Ammonia as N	EPA 350.1	AH81707	0.10	17-Aug-18 (SGS)	0.10 mg/l	
Nitrate as N	EPA 353.2	AH81609	0.02	16-Aug-18 (LA)	1.46 mg/l	
Nitrite as N	EPA 353.2	AH81609	0.02	16-Aug-18 (LA)	0.07 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH82031	0.10	21-Aug-18 (LA)	0.77 mg/l	
Total Suspended Solids	SM 2540D	AH81614	1	17-Aug-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1840374

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/15/18	1020	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	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	08/15/18	1401
Received by		MARIO SANTIESTEBAN (PCL)	8/15/18	1401
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/15/18	1608
Received by				
Relinquished by				
Received in lab by		VL	8-15-18	16:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"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 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 for public release 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 employs in protecting its own confidential data and shall not be responsible for any accidental disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other intellectual

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 any / all costs and expenses, including, but not limited to, court fees, third party litigation Expenses and awards, arising in favor of Client or any third party as a result of, and/or in any way in connection with / arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims and causes of action of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price sheet 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 invoice 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 as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or specific fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, 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 upon 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, or marketing, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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

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

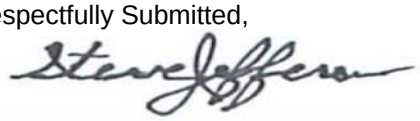
Attention: Ric Vardel
Report Date: 23-Aug-18 14:42
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18H0378-01) Collected: 15-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81607	2	21-Aug-18 (EA)	474 mg/l	
Total Suspended Solids	SM 2540D	AH81614	1	17-Aug-18 (EA)	202 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810378

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/15/18	1040	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
~~Geotracker EDD:~~									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	08/15/18	1352
Received by		MARIO SANTIESTEBAN (PCL)	8/15/18	1352
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/15/18	1600
Received by				
Relinquished by				
Received in lab by		PCL	8-15-18	1600

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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8. Force Majeure

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9. Confidentiality

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

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

11. Hazardous Substances

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

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13. Agreement Modification

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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 if 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 resell upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2/7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteriological 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 23-Aug-18 14:30
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0402-01) Collected: 16-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81715	2	22-Aug-18 (EA)	2 mg/l	
pH	SM4500-H-B	AH81830	0.1	16-Aug-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81710	0.05	17-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81608	1.8	18-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81608	1.8	18-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/23/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1814402

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/16/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/16/18	
Received by		Eugene (IPC)	8-16-18	1230
Relinquished by		Carlos (IPC)	8.16.18	1400
Received by				
Relinquished by				
Received in lab by			8/16/18	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following 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 on 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 enumerated in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample material provided hereunder or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) except to the extent disclosure is required by [illegible] process. PCL shall use the same standard of care it uses in protecting its own confidential information but shall not be responsible for unauthorized disclosure of sample data or results obtained hereunder. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software problems or other limitations.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL 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 upon a history of payments and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all and 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 agents' 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 or 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 to client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for her 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 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (pH tests is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

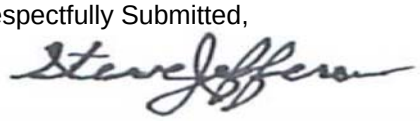
Attention: Ric Vardel
Report Date: 05-Sep-18 13:24
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0438-01) Collected: 17-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81917	2	24-Aug-18 (SGS)	4 mg/l	
pH	SM4500-H-B	AH81830	0.1	17-Aug-18 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH81829	0.05	18-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81708	1.8	19-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81708	1.8	19-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18-10438

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/17/18	12:25	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
		"	1	BOD	Grab	AQ	1L 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	Golan (IPC)	8/17/18	
Received by	Golan (PCL)	8/17/18	1220
Relinquished by	(PCL)	8/17/18	1430
Received by			
Relinquished by			
Received in lab by	PCL	8.17.18	

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
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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10. Hold Harmless

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

11. Hazardous Substances

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

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15. Rush Analysis

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

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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. As analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 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 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 notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

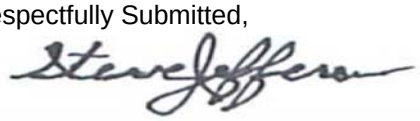
Attention: Ric Vardel
Report Date: 05-Sep-18 13:27
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0447-01) Collected: 18-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH81917	2	24-Aug-18 (SGS)	3 mg/l	
pH	SM4500-H-B	AH82032	0.1	18-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82033	0.05	20-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81831	1.8	20-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81831	1.8	20-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0447

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/18/18	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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: OK	Golan IPC	8/18/18	1208
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	8/18/18	1208
Received by:			
Relinquished by:			
Received in lab by:			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 in any 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 copy of transmitted (COC) to PCL. Any such order constitutes Client acceptance to the client of PCL's offer to do business with the client under the terms and conditions and is an agreement to be bound to, have 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 proposed 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 (CLAP), 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 representatives to the client arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

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 confidentiality generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not permit under its control such disclosure of such Data without such consent as provided PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that it shall be no third party beneficiaries of such reports, data or information. Client shall not disclose any such reports to any unauthorized person without the prior written consent of PCL.

10. Hold Harmless

Client indemnifies and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and costs and expenses (including, but not limited to, attorney fees and litigation expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring in, related to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transporting, handling or disposal of client's hazardous materials, E injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property, and/or 3. financial loss of every kind or character. This indemnity shall apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to liabilities, claims, damages, actions of every kind and character arising out of or in connection with the negligence or to breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, consequential or exemplary damages (including, without limitation, loss of profit or business interruption). Litigation expenses incurred here (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or services provided under this agreement, shall 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 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 oil, 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 execution, or the date the services were rendered or with terms agreed and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due as to when any goods completed is required for all the services of Data submitted with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law or by applicable law, any account 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 ½) per month on the unpaid balances. If unpaid accounts are referred to an agent, collection or by an attorney, the client shall pay reasonable costs and expenses, including reasonable attorneys' fees, in addition to such other procedures or effects.

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 person authorized by corporation, except that adjustments 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 providing services for its own business purposes, 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 of 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 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (microbiology, 24 hours) must be delivered (M) 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 storage. Samples will be discarded at the end of the pre-arranged storage term.

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 might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

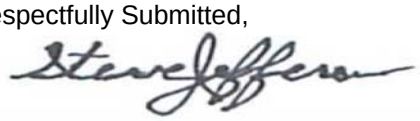
Attention: Ric Vardel
Report Date: 05-Sep-18 13:29
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0451-01) Collected: 19-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82129	2	26-Aug-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH82032	0.1	19-Aug-18 (SS)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82033	0.05	20-Aug-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH81918	1.8	21-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH81918	1.8	21-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0451

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08.19.18		1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	JUCID LEAL	8.9.18	1200
Received by	Jordan Corkery	8/9/18	1200
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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 have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his, 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 its services.

3. Orders and Acceptance

PCL offers and will accept orders for services as detailed herein only under the following General Terms and Conditions (the "Terms"). Some 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 Intends (LOC) to PCL. Any such order, subsequently is 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 requested 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 (STAP), 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 to the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports are confidential and provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party transfer, sale or use of reports, data or information. Client will not disclose to any third party any proprietary or technical information without the prior written consent of PCL.

10. Hold Harmless

Client, company 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 costs, (and expenses including, but not limited to, all court fees and litigation expenses) and awards arising in favor of them 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 samples. I injury, disease or death of persons or loss of, damage to, or destruction of property and/or 3. Environmental of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further this indemnity shall be totally apply to actual claims damages, actions of every kind and character arising out of or in connection with the negligence of or result of conduct by any indemnified Person, whether actual or alleged. In the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the indemnified Persons. To the extent necessary or under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverages as determined by client, which coverage 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 loss (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect 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 otherwise requested is required for all new clients or upon a breach of payment and/or credit account has been established with PCL. For clients with an established credit account, the terms for payment of Charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, a) by applicable law, any amount unpaid at the end of thirty (30) days in arrears of 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 reasonable costs and attorney's fees or expenses 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 authorized representative, except for subsequent orders for additional services may be made as set forth.

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 own acts and not as agent or employee of 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 the data, information and reports are not requested or shall be used to relied upon in connection with or by 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, removal, or extension of any loan from any financial institution or other source or the syndication of 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 (3-7 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 (turnaround 6 hours) must be delivered (not same day or prior to) guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional surcharges and/or the inability to meet holding times. All holding times are in effect as of the date of the date of the 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 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

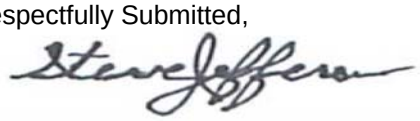
Attention: Ric Vardel
Report Date: 05-Sep-18 13:31
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0476-01) Collected: 20-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82129	2	26-Aug-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH82413	0.1	20-Aug-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82132	0.05	21-Aug-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82037	1.8	22-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82037	1.8	22-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810426

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/20/18	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/22.7°C
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/20/18	1440
Received by		MARIO SANTIESTEBAN (PCL)	8/20/18	1440
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/20/18	1644
Received by				
Relinquished by				
Received in lab by		PCL	8-20-18	1645

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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.

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or to any person 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, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and 3. Personal injury of every kind of that kind. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities client solely to 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 indemnifying person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other 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 minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect for the area of operations in the state 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 where credit is completed is required for all new clients or upon 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 full cash within thirty (30) days from date of invoices. To the fullest extent permitted or 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 referred to legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or assess fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only when executed by an officer of PCL and by client, either in writing, orally or by subsequent orders for additional services made verbally 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 on 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 hold value, in connection with or as part of any particular sale, understanding, 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 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 daylight hrs, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analysis to 48 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 related on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

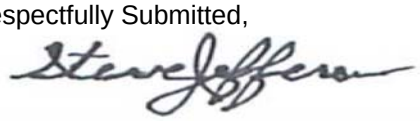
Attention: Ric Vardel
Report Date: 05-Sep-18 13:34
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0505-01) Collected: 21-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82228	2	27-Aug-18 (SGS)	8 mg/l	
pH	SM4500-H-B	AH82413	0.1	21-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82233	0.05	22-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82133	1.8	23-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82133	1.8	23-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 180505

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08-21-18	10:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	BOD	Grab	AQ	1L 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	JULIO LEAL	08-21-18	
Received by	Evans PCL	8-21-18	1230
Relinquished by	Evans	PCL 8-24-18	1500
Received by			
Relinquished by			
Received in lab by	PCL	8-24-18	1500

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 their employees, 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 Terms of Sales 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

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6. Cancellation

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

7. Overriding Agreement

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

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of any hazardous materials, 1. injury, grievance or death of persons 2. loss of, damage to, lost of, or loss of use of property; and/or 3. financial injury of every kind or character. This indemnity shall not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether 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 obligations will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any soil 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 analyses completed is required for all new clients or with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or 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 agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by duly 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 retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, 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 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

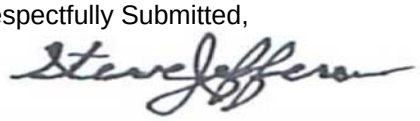
Attention: Ric Vardel
Report Date: 05-Sep-18 13:36
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0530-01) Collected: 22-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82313	2	28-Aug-18 (EA)	2 mg/l	
pH	SM4500-H-B	AH82413	0.1	22-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82237	0.05	22-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82229	1.8	24-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82229	1.8	24-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18/20530

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/22/18	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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	Golan	IPC	8/22/18	
Received by			8.22.18	1230
Relinquished by			8.22.18	1420
Received by				
Relinquished by				
Received in lab by			8/22/18	1420

Sample Received Checklist 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 additional or amendments hereto to which we agree from time to time. "Client" means the individual or entity who is to receive 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 this 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 conditions 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), 64 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 material 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 or is in the public domain or client is not required to pay PCL for all services rendered to it hereunder in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, written programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (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 as a prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as 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 agents' 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

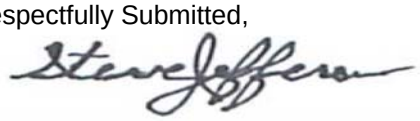
Attention: Ric Vardel
Report Date: 05-Sep-18 13:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0567-01) Collected: 23-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82410	2	29-Aug-18 (SGS)	3 mg/l	
pH	SM4500-H-B	AH82413	0.1	23-Aug-18 (SS)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82318	0.05	23-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82310	1.8	25-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82310	1.8	25-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1840567

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/23/18	12:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	8/23/18	
Received by: EC	Grant IPC	8.23.18	1330
Relinquished by: EC	Grant IPC	8-23-18	1430
Received by:			
Relinquished by:			
Received in lab by:		8/23/18	1430

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries. No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Sep-18 13:21
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0566-01) Collected: 23-Aug-18 By IPC						
Ammonia as N	EPA 350.1	AH82409	0.10	24-Aug-18 (SGS)	0.36 mg/l	
Nitrate as N	EPA 353.2	AH82416	0.20	24-Aug-18 (LA)	1.57 mg/l	
Nitrite as N	EPA 353.2	AH82416	0.20	24-Aug-18 (LA)	<0.20 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH82832	0.10	29-Aug-18 (LA)	0.79 mg/l	
Total Suspended Solids	SM 2540D	AH82408	1	24-Aug-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1840566

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/23/18	12:40	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	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/23/18	
Received by: EB	Eric B	8-23-18	1330
Relinquished by: EB	Eric B	8-23-18	1439
Received by:			
Relinquished by:			
Received in lab by:		8/23/18	1950

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples 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 herein) only on 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 executed 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 an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and/or 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), Co-Operative (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 to 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 where such standard was followed. PCL reports and other work product provided hereunder are for the exclusive use and benefit of client and client agrees that it shall be the third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning the methodology, software or programs of other clients.

10. Hold Harmless

Client necessary will shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent companies and agents and any and all liabilities, losses or damages (including reasonable costs of actions, suits and reasonable expenses, including attorneys fees) the litigation Expenses) and awards arising in favor of clients or any third party as a result of, and/or in any way according incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, and/or in connection, handling, or disposal of client's hazardous materials, injury, disease or death of persons, loss of damage to, loss of, or use of property and/or, if the client is or many acts of omission. This indemnity does not apply to any of the foregoing liabilities, costs, damages or expenses caused solely by the acts, negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims and awards, actions of every kind and character, arising out of in connection with the negligence or act or fault of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent 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 pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

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

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Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by the client. Furthermore, 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 to client's use of or reliance on data, information, or reports furnished by PCL. Client, in 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 parties may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, to shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any prefatic 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 expired because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

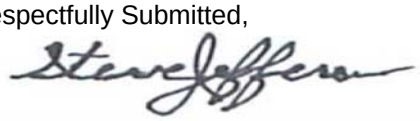
Attention: Ric Vardel
Report Date: 05-Sep-18 13:18
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18H0568-01) Collected: 23-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82410	2	29-Aug-18 (SGS)	795 mg/l	
Total Suspended Solids	SM 2540D	AH82408	1	24-Aug-18 (EA)	251 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810568

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
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**
INF	8/23/18	12:00	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	BOD	Grab	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/23/18	
Received by: EG	Eric	8.23.18	1330
Relinquished by: EG	Eric	8.23.18	1450
Received by:			
Relinquished by:			
Received in lab by:		8/23/18	1432

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? ~~Yes~~ No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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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1. Definitions

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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. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (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 generated by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and data which are provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software or reports 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, suits and the costs of defense including, but not limited to attorneys fees (including short expenses) and expert witness costs, of or 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 transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of damage to, use of, or loss of use of property and/or 3. Financial loss of every kind, of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent 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, fees for pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with terms quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon completion is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum legal (permitted by law) or one and one-half percent (1 ½%) 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 verity 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 or its legal representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

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

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before operation to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

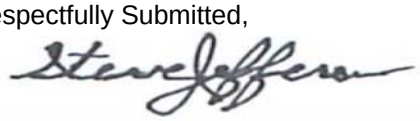
Attention: Ric Vardel
Report Date: 05-Sep-18 13:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0601-01) Collected: 24-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82622	2	31-Aug-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AH82519	0.1	24-Aug-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82518	0.05	25-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82414	1.8	26-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82414	1.8	26-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0601

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	08/24/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1/27.0°C
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Avalos (PCL)	08/24/18	1441
Received by		MARIO SANTIESTEBAN (PCL)	8/24/18	1441
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/24/18	1809
Received by				
Relinquished by				
Received in lab by		PCL	8-24-18	1810

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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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PCL acts solely as an independent contractor in performing all services.

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10. Hold Harmless

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

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15. Rush Analysis

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

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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

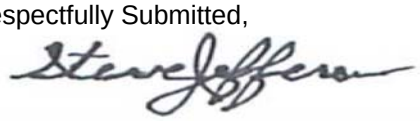
Attention: Ric Vardel
Report Date: 05-Sep-18 13:45
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0615-01) Collected: 25-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82622	2	31-Aug-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AH82933	0.1	25-Aug-18 (SS)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82732	0.05	26-Aug-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82517	1.8	27-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82517	1.8	27-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0615

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/25/18	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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. Alvarez	Carlos Alvarez Gose	08/25/18	11:50
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	8-25-18	11:50
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? **Yes** **No**

Samples intact? **Yes** **No**

Samples properly preserved? **Yes** **No**

Samples in holding time? **Yes** **No**

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client releases and shall save, 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, suits and associated expenses including, but not limited to, all court fees (including litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities 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 Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or 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 any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required but all new clients must set a history of payment and/ or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or allowed 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 delegated to an agency or to an attorney, the client shall pay reasonable costs and attorney's fees of agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only when agreed and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in 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. Client represents, warrants, and agrees that said data, information and reports are not conducted, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Especially 8 hour) 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

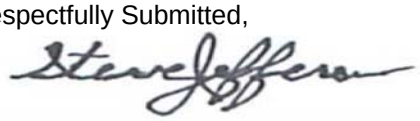
Attention: Ric Vardel
Report Date: 05-Sep-18 13:48
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0619-01) Collected: 26-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82828	2	02-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH82933	0.1	26-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82732	0.05	26-Aug-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82625	1.8	28-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82625	1.8	28-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18H0619

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08-26-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	Julio Leal	8-26-18	1125
Received by	Jordan Carkeny	8-26-18	1125
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and 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 (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any clients purchase orders or contracts.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, injuries, damages, claims, demands, causes of action, loss and expenses (including, but not limited to, attorneys fees, litigation expenses) and assets 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 shall constitute handling or disposal of Client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, use of, or loss of use of property and/or 3. financial loss of every kind of character. The underlying discussion applies to all the foregoing injuries, losses, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client's claims, damages, attorney's fees and costs for arising out of or in connection with the negligence of or incurred / caused by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have on 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 will PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party. In any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

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PCL shall have no responsibility or liability to client's or other reliance on data, information or reports furnished to PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries 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 analysis 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 missing times that are mandated because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times will be met. Short Holding Times of 48 hours or less (pH is 6 hours) must be delivered that same day to allow 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

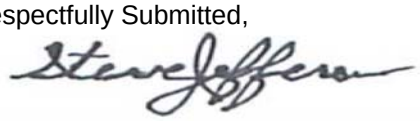
Attention: Ric Vardel
Report Date: 05-Sep-18 13:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0630-01) Collected: 27-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82828	2	02-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AH82933	0.1	27-Aug-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82831	0.05	28-Aug-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82733	1.8	29-Aug-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82733	1.8	29-Aug-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 1810630

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08.27.18	12:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	BOD	Grab	AQ	1L 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	Juan Aguilar IPC	8/27/18	
Received by	Evans IPC	8/27/18	1300
Relinquished by	Evans IPC	8.27.18	1400
Received by			
Relinquished by			
Received in lab by		8/27/18	1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his/her/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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PCL acts solely as an independent contractor in performing its services.

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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 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.

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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.

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

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit approval is required for all new clients or until a history of payments and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as 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 to be collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

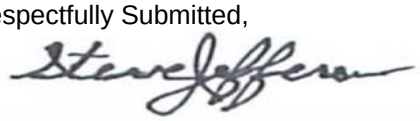
Attention: Ric Vardel
Report Date: 05-Sep-18 13:52
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0649-01) Collected: 28-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH82934	2	03-Sep-18 (EG)	<2 mg/l	
pH	SM4500-H-B	AH82933	0.1	28-Aug-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH82929	0.05	29-Aug-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82822	1.8	30-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82822	1.8	30-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 18th0649

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/28/18	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/28/18	
Received by		Cindy	8/28/18	12:21
Relinquished by		Cindy	8/28/18	1:50
Received by				
Relinquished by				
Received in lab by			8/28/18	1600

Sample Received Checklist

Temperature upon receipt: 4c

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means 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. Any 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 industrial 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 assessed 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 this agreement), subject to any disclosure required by law or legal process. PCL employs the same standard of care as it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and it is agreed there shall be no third party beneficiary of such reports, data or information. Client will not duplicate any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or such other quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment of all sums or when invoice is computed is required for all new clients or clients without a history of payment until 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 by or all by applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the lesser of the maximum rate established 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 connection with such collection procedure or activity.

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, verbal and 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 any reports or data, information or reports furnished by PCL. Client in securing services hereunder for its own account, and not as agent of 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 proposal, 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 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 analytes 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 no later than 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (receipt in 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 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

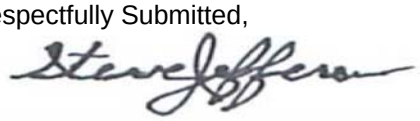
Attention: Ric Vardel
Report Date: 05-Sep-18 13:54
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0698-01) Collected: 29-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH83015	2	04-Sep-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AH83010	0.1	29-Aug-18 (SS)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH83012	0.05	30-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH82936	1.8	31-Aug-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH82936	1.8	31-Aug-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

Phone (805) 532-0012
Fax (805) 532-0016

Environmental Sample

Sample I.D.#: 1810698

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/29/18	11:50	1	pH, T. Res. Chlorine	Grab	AQ	500 P	4 C	
	"	"	1	BOD	Grab	AQ	1L P	4 C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR1000000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/29/18	1332
Received by:	MARIO SANTIESTEBAN	8/29/18	1332
Relinquished by:	MARIO SANTIESTEBAN	8/29/18	1500
Received by:			
Relinquished by:			
Received in lab by:		8-29-18	16

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 6/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Sep-18 16:43
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0724-01) Collected: 30-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH83109	2	05-Sep-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AI80105	0.1	30-Aug-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH83117	0.05	31-Aug-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH83011	1.8	01-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH83011	1.8	01-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/5/2018
Laboratory Director

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

CHAIN OF CUSTODY RECORD

Phone (805) 532-0012
Fax (805) 532-0016

Environmental Sample

Sample I.D.#: 18H0724

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/30/18	11:15	1	pH, T. Res. Chlorine	Grab	AQ	500 P	4 C	7.4/29.3°C
	"	"	1	BOD	Grab	AQ	1L P	4 C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR1000000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/30/18	1244
Received by	MARIO SANTIESTEBAN (PCL)	8/30/18	1244
Relinquished by	MARIO SANTIESTEBAN (PCL)	8/30/18	1530
Received by			
Relinquished by			
Received in lab by	M/L	8/30/18	16"

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 6/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

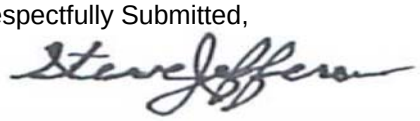
Attention: Ric Vardel
Report Date: 07-Sep-18 13:08
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0725-01) Collected: 30-Aug-18 By IPC						
Ammonia as N	EPA 350.1	AI80429	0.10	04-Sep-18 (SGS)	0.12 mg/l	
Nitrate as N	EPA 353.2	AH83014	0.10	30-Aug-18 (LA)	5.12 mg/l	
Nitrite as N	EPA 353.2	AH83014	0.02	30-Aug-18 (LA)	0.09 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI80430	0.10	07-Sep-18 (LA)	0.56 mg/l	
Total Suspended Solids	SM 2540D	AH83111	1	31-Aug-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/7/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810725

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/30/18	11:15	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	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	8/30/18	1249
Received by	MARIO SANJIESTEBAN (PCL)	8/30/18	1249
Relinquished by	MARIO SANJIESTEBAN (PCL)	8/30/18	1525
Received by			
Relinquished by			
Received in lab by		8/30/18	16:00

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	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 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 on a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or Client has failed to pay PCL for all services rendered or is otherwise in breach of the Agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereto 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 technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgement interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any Indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples / materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date PCL 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 amounts 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 (1.50%) 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 calculated 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.)

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior modification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

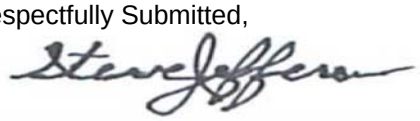
Attention: Ric Vardel
Report Date: 05-Sep-18 16:48
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18H0722-01) Collected: 30-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH83109	2	05-Sep-18 (EA)	399 mg/l	
Total Suspended Solids	SM 2540D	AH83111	1	31-Aug-18 (EA)	166 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 180722

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
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
INF	8/30/18	10:25	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/30/18	1255
Received by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	8/30/18	1255
Relinquished by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	8/30/18	1531
Received by:			
Relinquished by:			
Received in lab by:	PCL	8/30/18	1600

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	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Quotes and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Price/Payments

13. Agreement Modification

14. No Third Party Beneficiaries nor Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

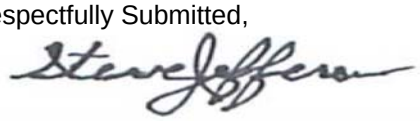
Attention: Ric Vardel
Report Date: 05-Sep-18 16:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18H0751-01) Collected: 31-Aug-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AH83109	2	05-Sep-18 (EA)	13 mg/l	
pH	SM4500-H-B	AI80105	0.1	01-Sep-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80104	0.05	01-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH83116	1.8	02-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH83116	1.8	02-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18H0757

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	08/31/18	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2/26.8°C
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	08/31/18	1238
Received by		MARIO SANTIESTEBAN (PCL)	8/31/18	1238
Relinquished by		MARIO SANTIESTEBAN (PCL)	8/31/18	1427
Received by				
Relinquished by				
Received in lab by		PCL	8/31/18	1430

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	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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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 associated expenses, including, but not limited to, attorney fees (the Litigation Expenses) and costs accruing in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is completed is required but all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or allowed 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 agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

No changes, modifications or amendments to the terms shall be effective or 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to record proof in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (typically 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

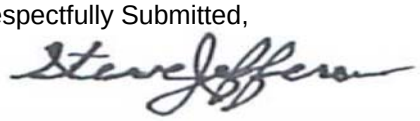
Attention: Ric Vardel
Report Date: 07-Sep-18 13:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0002-01) Collected: 01-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80225	2	07-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI80230	0.1	02-Sep-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80229	0.05	02-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80103	1.8	03-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80103	1.8	03-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/7/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1410002

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/01/18	0800	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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. Alvarez	Carlos Alvarez (SPC)	04/01/18	10:40
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	4-1-18	10:40
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 person 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 hereto) 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 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, , arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any opinion and/or concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (but litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to losses, claims, damages, 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 indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption (litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or described 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.

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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 in 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 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with Holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Sep-18 14:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0008-01) Collected: 02-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80424	2	09-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI80314	0.1	03-Sep-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80315	0.05	03-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80228	1.8	04-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80228	1.8	04-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/10/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0008-1

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09,02,18	8:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	BOD	Grab	AQ	1L 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	Mohamad Monghasem	09,02,18	1120
Received by	Jordan Corkern	9/02/18	1120
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

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	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means 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 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 (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary (containing technical information, software programs or other formulations).

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all costs, fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, sickness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity shall not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not specifically apply to losses, claims, damages, actions of every kind and character arising out of PCL's compliance 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 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. Life abor, expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined to 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.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or 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. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rated upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (accidents 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: 10-Sep-18 15:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0011-01) Collected: 03-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80424	2	09-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI80535	0.1	03-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80421	0.05	04-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80313	1.8	05-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80313	1.8	05-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/10/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810011

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** JULIO LEAL	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09-03-18	07:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	/	/	1	BOD	Grab	AQ	1L P	4°C	
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Gectracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	9-3-18	905
Received by	Jordan Corkery	9/3/18	905
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means those Terms and Conditions of sale, including the price schedule, and any addtions 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 ex its heirs, successors, assigns and representatives. "Price Scheduler" 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 hereof) 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 (STLAP), 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 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 in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of its reports, data or information. Client will not disclose to any third party any interpretation concerning technical information, software or procedure other than in confidence.

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 known or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons; 2. Loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the error negligent or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage as be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

By it PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or all) be allowable 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 reasonable costs and attorney's fees to specific fees associated with such collection procedures or others.

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. It is also that subsequent Orders for additional services may be verbal or in writing.

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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

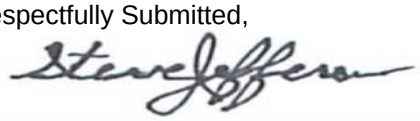
Attention: Ric Vardel
Report Date: 10-Sep-18 16:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0041-01) Collected: 04-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80541	2	10-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI80535	0.1	04-Sep-18 (SS)	8.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80536	0.05	05-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80432	1.8	06-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80432	1.8	06-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/10/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0041

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/04/18	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.2
			1	BOD	Grab	AQ	1L 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	Carlos Alvarez	Carlos Alvarez (IPC)	09/04/18	
Received by			1320	9/4/18
Relinquished by			9/4/18	1520
Received by				
Relinquished by				
Received in lab by		PLV	9/4/18	1600

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" mean 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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PCL acts solely as an independent contractor in performing all services.

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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.

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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.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unsolicited disclosure of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees it/we shall be no third party beneficiaries of PCL's reports, data or information. Client will not disclose to any third party any information concerning PCL's methodologies, 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 parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, diseases, 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 indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and (or pre or post judgment interest)), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable prior schedule in effect at the time 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 advance or when analysis is requested is required for all new clients or until a history of payment and/or credit as client has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or allowable 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, client shall pay reasonable costs and attorney's fees as agreed. Fees associated with such collection process and 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 (or authorized representative, except that subsequent orders for additional services may be verbal or in writing).

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

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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.

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LABORATORIES

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

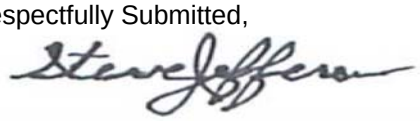
Attention: Ric Vardel
Report Date: 12-Sep-18 09:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0078-01) Collected: 05-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80607	2	11-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI80715	0.1	05-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80610	0.05	06-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80538	1.8	08-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80538	1.8	08-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/12/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0078

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/05/18	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	09/05/18	
Received by		David Larson PCL	09/05/18	1300
Relinquished by		David Larson PCL	09/05/18	1453
Received by				
Relinquished by				
Received in lab by		MC	9-5-18	1455

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	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 reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or 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 in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that it shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or sample collection, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) (Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL 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 or 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 agents' fees allocated 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

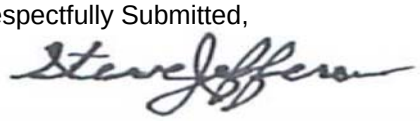
Attention: Ric Vardel
Report Date: 13-Sep-18 09:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0112-01) Collected: 06-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80710	2	12-Sep-18 (EA)	14 mg/l	
pH	SM4500-H-B	AI80715	0.1	06-Sep-18 (SS)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80717	0.05	07-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80615	1.8	08-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80615	1.8	08-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/13/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 189012

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	9/6/18	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.8 / 29.9 °C
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	9/6/18	
Received by: (PCL)	(PCL)	9-6-18	13'30
Relinquished by:		9-6-18	3:30
Received by:			
Relinquished by:			
Received in lab by:	VL	9.6.18	1530

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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3. Orders and Acceptance

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The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation 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 complications of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site, and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data after such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases, and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses in damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with, the performance of services by PCL pursuant to this agreement, and/or transportation, handling or disposal of client's hazardous materials, 2. injury, disease or death of persons 3. loss of, damage to, loss of, or loss of use of property and/or 4. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the 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 with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the 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 all reasonable costs and attorney's fees in addition to all reasonable costs and attorney's fees in addition to all

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

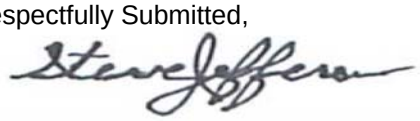
Attention: Ric Vardel
Report Date: 13-Sep-18 09:40
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0115-01) Collected: 06-Sep-18 By IPC						
Ammonia as N	EPA 350.1	AI81032	0.10	10-Sep-18 (SGS)	0.12 mg/l	
Nitrate as N	EPA 353.2	AI80713	0.20	07-Sep-18 (LA)	4.54 mg/l	
Nitrite as N	EPA 353.2	AI80713	0.02	07-Sep-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI81125	0.10	12-Sep-18 (LA)	1.00 mg/l	
Total Suspended Solids	SM 2540D	AI80708	1	07-Sep-18 (EA)	4 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/13/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I 015

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/6/18	11:55	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	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/6/18	
Received by:	Ricy (PCL)	9-6-18	13:22
Relinquished by:	(PCL)	9-6-18	3:30
Received by:			
Relinquished by:			
Received in lab by:	JL	9.6.18	1530

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	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 reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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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 due public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees (the Litigation Expenses) and interest 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, threat or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the date of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the 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 of PCL's 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 the duly 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 of broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (tested in 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

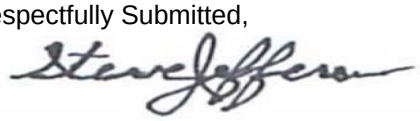
Attention: Ric Vardel
Report Date: 13-Sep-18 09:44
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18I0114-01) Collected: 06-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80710	2	12-Sep-18 (EA)	612 mg/l	
Total Suspended Solids	SM 2540D	AI80708	1	07-Sep-18 (EA)	180 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/13/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 187014

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
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
INF	9/6/18	11:26	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/6/18	
Received by:	(OCL)	9-6-18	13:30
Relinquished by:	(PCL)	9-6-18	3:30
Received by:			
Relinquished by:			
Received in lab by:	PL	9.6.18	1530

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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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 actions, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees (the litigation if asserted) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. Property 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 active negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have 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 pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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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.

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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

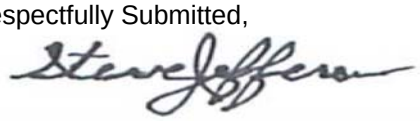
Attention: Ric Vardel
Report Date: 19-Sep-18 09:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0149-01) Collected: 07-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80913	2	14-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI80824	0.1	08-Sep-18 (JC)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80823	0.05	08-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80716	1.8	09-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80716	1.8	09-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810149

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH ~~Field~~ Lab
EFF	9/7/18	12:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.8/28.4
	"	"	1	BOD	Grab	AQ	1L 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 GK	Golan IPC	9/7/18	
Received by	(Pat)	9/7/18	13:10
Relinquished by	(Pat)	9/7/18	2:30
Received by			
Relinquished by			
Received in lab by		9/7/18	1450

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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 invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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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.

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8. ce Majeure

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9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees that it shall not to third party beneficiary of such reports, data or information. Client will not disclose any third party any information concerning technical information, software, procedure or other formulation.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliate corporations and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, court fees, attorney fees, expenses and awards arising in favor of Client, or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, lost of, or use of property and or 3. financial loss of every kind and character, including out of and in connection with the negligence or in whole or in part caused by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have on PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for 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 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 invoice. To the fullest extent permitted by all by applicable law, any amount unpaid for the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or report(s) furnished by PCL. Client is securing services hereunder for his sole 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 all samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 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 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: 19-Sep-18 09:29
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0158-01) Collected: 08-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI80913	2	14-Sep-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AI80917	0.1	08-Sep-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI80918	0.05	09-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80822	1.8	10-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80822	1.8	10-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0158

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09-08-18	08:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
	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	JULIO LEAL	9-8-18	10:50
Received by			
Relinquished by	Jose L Gomez	9-8-18	10:50
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of "Client or any third party" as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Parties. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

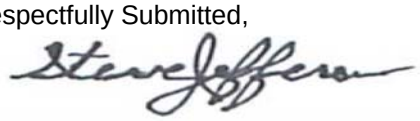
Attention: Ric Vardel
Report Date: 19-Sep-18 09:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0163-01) Collected: 09-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81120	2	16-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI81123	0.1	09-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81026	0.05	10-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI80916	1.8	11-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI80916	1.8	11-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0163

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/09/18	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	Mohamad Monghasem	09/09/18	1120
Received by	Jordan Corkery	09/09/18	1120
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 reissued from time to time by PCL.

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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 continue, 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.

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8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, the Litigation Equipment, and awards arising in favor of Client or any third party as a result of, and/or in any way or to any incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused directly by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity is in addition to any and all rights to which PCL and the other indemnified Persons may be entitled at law or equity. This indemnity shall apply to all the foregoing losses, costs, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be 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: In other laws (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), to 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 any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by or as allowed 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 agents' fees associated 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, 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 analytes are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

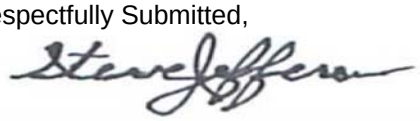
Attention: Ric Vardel
Report Date: 19-Sep-18 09:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0173-01) Collected: 10-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81120	2	16-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI81123	0.1	10-Sep-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81116	0.05	11-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81034	1.8	12-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81034	1.8	12-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0173

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	9/10/18	12:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 27.9°C
	"	"	1	BOD	Grab	AQ	1L P	4°C	Cl = NO*
	"	"	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	9/10/18	1300
Received by:	MARIO SANTIESTEBAN (PCL)	9/10/18	1300
Relinquished by:	MARIO SANTIESTEBAN (PCL)	9/10/18	1428
Received by:			
Relinquished by			
Received in lab by	PCL	9/10/18	1800

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.

* POTASSIUM IODIDE STRIP

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 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 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 information materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise a result of the agreements) subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and actions 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, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as services provided under this agreement even if client is the prevailing party.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or results furnished by PCL. Client is securing services 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 results were 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 issuing, 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, (7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding Times of 48 hours or less (Bacteria & Iodine) 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 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Sep-18 09:39
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0210-01) Collected: 11-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81221	2	17-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI81231	0.1	11-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81228	0.05	12-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81124	1.8	14-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81124	1.8	14-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18IO210

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** JULIO LEAL	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09-11-18	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	JULIO LEAL	9-11-18	
Received by	Evan	9.11.18	1230
Relinquished by	Evan	9.11.18	1400
Received by			
Relinquished by			
Received in lab by		9/11/18	1400

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1. Definitions

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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 invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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6. Cancellation

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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.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was employed. PCL's reports and information provided thereto 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. Clients will not disclose any third party any [illegible] where such marketing technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates and successors and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs 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, related in any way to, 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, illness or death of persons 2. Loss of damage to, loss of, or loss of use of property and 3. Breach of this or of every kind of character. This indemnity 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 shall specifically apply to client's damages, actions of every kind and character, arising out of or in any way connected with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation / commercial collection costs including, without limitation, attorney's fees, court costs, and /or pre or post judgment interests, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, pulp/laminate / polymeric 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 follows EPA 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 upon a review of payment and credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or allowed by applicable 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 reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing, and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of performance 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Coliforms 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 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Sep-18 09:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0244-01) Collected: 12-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81314	2	18-Sep-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI81406	0.1	12-Sep-18 (PL)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81313	0.05	13-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81230	1.8	14-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81230	1.8	14-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0244

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEDL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	09-12-18	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2/29.1°C
			1	BOD	Grab	AQ	1L P	4°C	Cl=ND
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEDL	9-12-18	1451
Received by	MARIO SANTIESTEBAN (PCL)	9/12/18	1451
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/12/18	1735
Received by			
Relinquished by			
Received in lab by	PCL	9-12-18	1735

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 60 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 reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or 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 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 in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such 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 PCL 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 technical or formula, software development or other consultations.

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 to damages, claims, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and attorney arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to known claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage as to be identified by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, as in accordance with our QA/QC policies and procedures.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is acquiring services hereunder for 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 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

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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 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 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

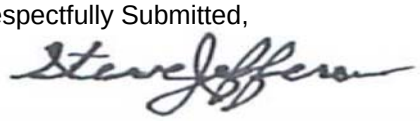
Attention: Ric Vardel
Report Date: 20-Sep-18 12:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0287-01) Collected: 13-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81407	2	19-Sep-18 (EA)	13 mg/l	
pH	SM4500-H-B	AI81406	0.1	13-Sep-18 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81412	0.05	14-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81312	1.8	15-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81312	1.8	15-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/20/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0287

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	9/13/18	12:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/30.9°C
	"	"	1	BOD	Grab	AQ	1L P	4°C	Cl=ND
	"	"	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	9/13/18	1429
Received by	MARIO SANTIESTEBAN (PCL)	9/13/18	1428
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/13/18	1629
Received by			
Relinquished by			
Received in lab by		9.13.18	1630

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	**Preservations**
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or 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 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's reports and information provided thereon are for the exclusive use and benefit of Client and (or as agreed) those shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses (including, but not limited to, attorneys' fees (the "Litigation Expenses") and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of Client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims (including all types 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 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 obligations will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and (or pre or post judgment interest), or any other expenses incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and 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 upon a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or 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 referred through collection agencies or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated 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'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, as client 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 issuing, 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, 7-7 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 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 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

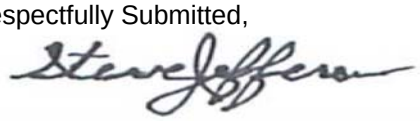
Attention: Ric Vardel
Report Date: 20-Sep-18 12:47
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18I0284-01) Collected: 13-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81407	2	19-Sep-18 (EA)	285 mg/l	
Total Suspended Solids	SM 2540D	AI81413	1	14-Sep-18 (EA)	241 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/20/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0284

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
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
INF	9/13/18	12:25	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	9/13/18	1418
Received by	MARIO SANTIESTEBAN (PCL)	9/13/18	1418
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/13/18	1631
Received by			
Relinquished by			
Received in lab by	PL	9.13.18	1631

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning 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 parents harmless from and against any and all Liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the Litigation Expenses) and awards, arising in favor of Client or any third party, as a result of, relative in any way accruing, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons; 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to and liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, clients 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 law), rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any account 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 reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective or 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 in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been 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: 19-Sep-18 09:44
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0285-01) Collected: 13-Sep-18 By IPC						
Ammonia as N	EPA 350.1	AI81728	0.10	18-Sep-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI81409	0.20	14-Sep-18 (LA)	4.39 mg/l	
Nitrite as N	EPA 353.2	AI81409	0.02	14-Sep-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI81726	0.10	18-Sep-18 (LA)	0.60 mg/l	
Total Suspended Solids	SM 2540D	AI81413	1	14-Sep-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/19/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0285

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/13/18	12:45	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/13/18	1422
Received by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	9/13/18	1422
Relinquished by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	9/13/18	1631
Received by:			
Relinquished by:			
Received in lab by:	PCL	9.13.18	1670

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 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 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 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 is for 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 where such standard was observed. All reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any protocol or concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including without limitation, loss of profit or business interruption) litigation, licenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any 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 for the area of operations on the date the services were rendered or with price quotes 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 on a history of payment and/or credit approval 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 (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to accrue 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 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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent, 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 record upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 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 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

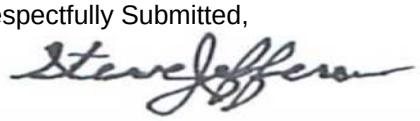
Attention: Ric Vardel
Report Date: 20-Sep-18 12:38
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0315-01) Collected: 14-Sep-18 By IPC						
Boron	EPA 200.7	AI81724	0.10	17-Sep-18 (AF)	1.18 mg/l	
MBAS	SM 5540C	AI81720	0.20	17-Sep-18 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AI81931	5	19-Sep-18 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AI81926	0.03	19-Sep-18 (LA)	0.21 mg/l	
Total Dissolved Solids	SM 2540C	AI81836	5	20-Sep-18 (EA)	684 mg/l	
Chloride	EPA 300.0	AI81841	1.0	18-Sep-18 (AV)	167 mg/l	
Sulfate as SO4	EPA 300.0	AI81841	0.5	18-Sep-18 (AV)	124 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/20/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0315

Customer: IPC, Inc.

Project: (MCC) Monthly EFF

Address: 9297 Research Drive

Sampled by: JULIO LEAL

P.O. #:

Irvine CA 92618

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09-14-18	10:30	1	SO4, Cl, 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	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	9-14-18	1303
Received by	MARIO SANTIESTEBAN (PCL)	9/14/18	1303
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/14/18	1711
Received by			
Relinquished by			
Received in lab by		9.14.18	1711

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to attorney fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregone losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

September 29, 2018 Ceres ID: 12347

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on September 20, 2017. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 18I033-01.

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
12347-001	EFF 18I033-01	9/20/2018	9/14/2018	10:15

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 1863	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 9/27/2018
Project ID: 18I033-01	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 9/28/2018

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.96	1.49	5.00		13C-2378-TCDD	99.2	31-137	
					CRS			
					37Cl4-2378-TCDD	87.7	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 #: 1863	**Date Extracted:** 9/27/2018
	Matrix: Aqueous	**ZB-5MS Analysis:** 9/28/2018
Project ID: 18I033-01	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	11.5	7.3-14.6	13C-2378-TCDD	103	25-141
			CRS		
			37Cl4-2378-TCDD	107	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: EFF 18I033-01		
Project ID: 18I033-01	**Ceres Sample ID:** 12347-001	**Date Received:** 9/20/2018
	QC Batch #: 1863	**Date Extracted:** 9/27/2018
Date Collected: 9/14/2018	**Matrix:** Aqueous	**ZB-5MS Analysis:** 9/28/2018
Time Collected: 10:15	**Sample Size:** 0.973 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.40	1.49	5.14		13C-2378-TCDD	89.7	31-137	
					CRS			
					37Cl4-2378-TCDD	96.2	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

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: _____

Customer: Pat-Chem Laboratories		Project :	
Address: 1824 1st St.		Sampled by: Customer	P.O. #:
San Fernando CA 91340		Report Attention: Steve Jefferson	Phone #: 818-639-5300

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF 18I033-01	9/14/18	1015	1	Dioxins 2,3,7,8, TCCD	Grab	AQ	1L G	4°C	

Signature	Print Name (Company)	Date	Time
Relinquished by	DENBO	9/18/18	1000
Received by	Hedin Ceres	9/20/18	09:52
Relinquished by			
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Sample Receipt Check List Logged by: JL (initials)

Ceres ID: 12347	Date/Time: 9/20/18 09:52
Client Project ID: 18I033-01	Received Temp: 3.2 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N)
Aqueous sample pH: 6.5	

List COC discrepancies:

JL 9/20/18

List Damaged Samples:

JL 9/20/18

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

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: 321821281
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Jefferson
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Collected: 09/14/2018
Received: 09/17/2018
Analyzed: 09/30/2018

Proj: 18I0313

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

					ASBESTOS				
Sample ID Client / EMSL	***Sample Filtration Date/Time***	***Original Sample Vol. Filtered (ml)***	***Effective Filter Area (mm²)***	***Area Analyzed (mm²)***	*Asbestos Types*	*Fibers Detected*	*Analytical Sensitivity*	*Concentration*	*Confidence Limits*
							MFL (million fibers per liter)		
18I0313-01 321821281-0001	9/18/2018 04:25 PM	100	1288	0.0645	None Detected	ND	0.20	<0.20	0.00 - 0.74

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: 09/30/2018 16:23:17

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

NORTH COAST LABORATORIES LTD.

October 18, 2018

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Stephen Berensten

RE:

Order No.: 1809396
Invoice No.: 142826
PO No.:
ELAP No.1247-Expires July 2020

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	EFF 18IO313
01B	EFF 18IO313
01C	EFF 18IO313

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: 19-Oct-2018
WorkOrder: 1809396

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.

The laboratory control sample duplicate (LCSD) recovery was below the lower acceptance limit for diquat. The response of the reporting limit standard was such that the analyte would have been detected even with the low recovery; therefore, the data were accepted.

The relative percent difference (RPD) between the laboratory control samples was above the acceptance limit for diquat. This indicates that the sample results could be variable. Since there were no detectable levels of analyte in the sample, the data were accepted.

EPA 548:
Due to quality control sample failures in the first analysis, the sample was re-extracted after the extraction holding time had expired.

The endothall recovery for the matrix spike (MS) was below the lower acceptance limit. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating that the low recovery may be due to matrix effects.

The surrogate recoveries were below the lower acceptance limit in sample EFF 18IO313 and the sample matrix spike. This indicates the low recoveries may be due to sample matrix interference.

Date: 18-Oct-2018
WorkOrder: 1809396

ANALYTICAL REPORT

Client Sample ID: EFF 18IO313 **Received:** 9/20/2018
Lab ID: 1809396-01A **Collected:** 9/14/2018 10:15

Test Name: Endothall **Reference:** EPA 548.1

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND	X	45	µg/L	1.0	10/1/2018	10/12/2018
Surrogate: 2,3-D	70.8		78-117	% Rec	1.0	10/1/2018	10/12/2018

Client Sample ID: EFF 18IO313 **Received:** 9/20/2018
Lab ID: 1809396-01B **Collected:** 9/14/2018 10:15

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	9/21/2018	9/25/2018

Client Sample ID: EFF 18IO313 **Received:** 9/20/2018
Lab ID: 1809396-01C **Collected:** 9/14/2018 10:15

Test Name: Glyphosate **Reference:** EPA 547

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		5.0	µg/L	1.0	9/25/2018	9/25/2018

North Coast Laboratories, Ltd.

Date: 10/18/2018

CLIENT: Pat-Chem Laboratories
Work Order: 1809396
Project:

QC SUMMARY REPORT

Method Blank

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID **MB-092518** Batch ID: **R96951** Test Code: **547W** Units: **µg/L** Analysis Date **9/25/2018 1:09:22 PM** Prep Date **9/25/2018**											
Client ID: Run ID: **ORLC9_180925A** SeqNo: **1378966**											
Glyphosate	ND	5.0									
Sample ID **MB-36589** Batch ID: **36589** Test Code: **548W** Units: **µg/L** Analysis Date **10/12/2018 7:23:36 PM** Prep Date **10/1/2018**											
Client ID: Run ID: **ORGC14_181012A** SeqNo: **1381715**											
Endothall	ND	45									
Surrogate: 2,3-D	234	0.10	250	0	93.6%	78	117	0			
Sample ID **MB-36558** Batch ID: **36558** Test Code: **549W** Units: **µg/L** Analysis Date **9/25/2018 6:50:21 PM** Prep Date **9/21/2018**											
Client ID: Run ID: **ORLC8_180925A** SeqNo: **1378704**											
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: 10/18/2018

CLIENT: Pat-Chem Laboratories
Work Order: 1809396
Project:

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID **1809396-01AMS** Batch ID: **36589** Test Code: **548W** Units: **µg/L** Analysis Date **10/12/2018 8:23:44 PM** Prep Date **10/1/2018**

Client ID: **EFF 18IO313** Run ID: **ORGC14_181012A** SeqNo: **1381718**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	40.20	45	225	0	17.9%	61	114	0			JS
Surrogate: 2,3-D	173	0.10	250	0	69.2%	78	117	0			S

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: 10/18/2018

CLIENT: Pat-Chem Laboratories
Work Order: 1809396
Project:

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-092518** Batch ID: **R96951** Test Code: **547W** Units: **µg/L** Analysis Date **9/25/2018 1:31:08 PM** Prep Date **9/25/2018**
Client ID: Run ID: **ORLC9_180925A** SeqNo: **1378967**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	43.05	5.0	50.0	0	86.1%	80	118	0			

Sample ID **LCSD-092518** Batch ID: **R96951** Test Code: **547W** Units: **µg/L** Analysis Date **9/25/2018 1:52:56 PM** Prep Date **9/25/2018**
Client ID: Run ID: **ORLC9_180925A** SeqNo: **1378968**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	48.30	5.0	50.0	0	96.6%	80	118	43.0	11.5%	30	

Sample ID **LCS-36589** Batch ID: **36589** Test Code: **548W** Units: **µg/L** Analysis Date **10/12/2018 7:43:40 PM** Prep Date **10/1/2018**
Client ID: Run ID: **ORGC14_181012A** SeqNo: **1381716**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	184.5	45	225	0	82.0%	61	114	0			
Surrogate: 2,3-D	235	0.10	250	0	94.2%	78	117	0			

Sample ID **LCSD-36589** Batch ID: **36589** Test Code: **548W** Units: **µg/L** Analysis Date **10/12/2018 8:03:39 PM** Prep Date **10/1/2018**
Client ID: Run ID: **ORGC14_181012A** SeqNo: **1381717**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	187.9	45	225	0	83.5%	61	114	184	1.81%	30	
Surrogate: 2,3-D	230	0.10	250	0	91.9%	78	117	235	2.44%	30	

Sample ID **LCS-36558** Batch ID: **36558** Test Code: **549W** Units: **µg/L** Analysis Date **9/25/2018 7:01:05 PM** Prep Date **9/21/2018**
Client ID: Run ID: **ORLC8_180925A** SeqNo: **1378705**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.493	0.40	2.00	0	74.6%	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: 1809396
Project:

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD-36558** Batch ID: **36558** Test Code: **549W** Units: **µg/L** Analysis Date **9/25/2018 7:11:50 PM** Prep Date **9/21/2018**
Client ID: Run ID: **ORLC8_180925A** SeqNo: **1378706**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.059	0.40	2.00	0	53.0%	70	130	1.49	34.0%	30	SR

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

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample 1809396

Sample I.D.#: _____

Customer: Pat-Chem Laboratories		Project :	
Address: 1824 1st St.		Sampled by: Customer	P.O. #:
San Fernando CA 91340		Report Attention: Steve Jefferson	Phone #: 818-639-5300

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF 1809396-01	9/14/18	1015	1	548 Endothall	Grab	AQ	1L G	4°C	
			1	549 Diquat	Grab	AQ	1L G	4°C	
			1	Glyphosate	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Pat-Chem	9/18/18	1000
Received by		Ron Cerady	9/20/18	1355
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 2.2°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.

October 12, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1812465
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
EFF	09/14/2018	09/18/2018	SP 1812465-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	10/08/2018:214296 All analysis quality controls are within established criteria.
	09/24/2018:211394 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.
903.0	10/02/2018:214460 All analysis quality controls are within established criteria.
	09/25/2018:211487 All preparation quality controls are within established criteria.
905.0	10/01/2018:214539 All analysis quality controls are within established criteria.
	09/24/2018:211418 All preparation quality controls are within established criteria.
906.0	09/27/2018:214311 All analysis quality controls are within established criteria.

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October 12, 2018 Lab ID : SP 1812465
Pat-Chem Laboratories Customer : 2-12670

Radio QC

906.0	09/26/2018:211526 All preparation quality controls are within established criteria.
908.0	10/01/2018:214401 All analysis quality controls are within established criteria.
	09/27/2018:211588 All preparation quality controls are within established criteria.
Ra - 05	10/10/2018:214997 All analysis quality controls are within established criteria.
	10/04/2018:211427 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	09/27/2018:214292 All analysis quality controls are within established criteria, except: The following note applies to Perchlorate: 360 ICV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/27/2018:211640 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: 2018-10-15

October 12, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : EFF
Project : EFF

Lab ID : SP 1812465-001
Customer ID : 2-12670

Sampled On : September 14, 2018-10:15
Sampled By : Customer
Received On : September 18, 2018-11:53
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	09/27/18:211640	314.0	09/27/18:214292

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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October 12, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1812465-001
Customer ID : 2-12670

Sampled On : September 14, 2018-10:15
Sampled By : Customer
Received On : September 18, 2018-11:53
Matrix : Water

Description : EFF
Project : EFF

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Radio Chemistry								
Gross Alpha	3.47 ± 1.41	1.25	pCi/L	15/5	900.0	09/24/18-12:35 2P1811394	900.0	10/08/18-13:32 2A1814296
Gross Beta	13.0 ± 1.71	1.26	pCi/L	50	900.0	09/24/18-12:35 2P1811394	900.0	10/08/18-13:32 2A1814296
Strontium 90	0.104 ± 0.234	0.546	pCi/L	8	905.0	09/24/18-18:00 2P1811418	905.0	10/01/18-18:30 2A1814539
Total Alpha Radium (226)	0.000 ± 0.102	0.304	pCi/L	3	903.0	09/25/18-18:30 2P1811487	903.0	10/02/18-11:42 2A1814460
Tritium	0.000 ± 268	434	pCi/L	20000	906.0	09/26/18-13:00 2P1811526	906.0	09/27/18-15:22 2A1814311
Uranium	0.000 ± 0.629	0.342	pCi/L	20	908.0	09/27/18-13:00 2P1811588	908.0	10/01/18-12:34 2A1814401
Ra 228	0.000 ± 0.590	0.384	pCi/L	2	Ra - 05	10/04/18-18:00 2P1811427	Ra - 05	10/10/18-18:40 2A1814997

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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October 12, 2018 Lab ID : SP 1812465
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	09/27/18:211640MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	104 %	85-115	
			MS	ug/L	25.00	88.8 %	80-120	
		(SP 1812253-001)	MSD	ug/L	25.00	85.6 %	80-120	
			MSRPD	ug/L	25.00	3.7%	≤15	
	314.0	09/27/18:214292MCA	ICB	ppb		0.00	2.0	
			ICV	ppb	2.000	116 %	85-115	360
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	105 %	85-115	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

360	: ICV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

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October 12, 2018 Lab ID : SP 1812465

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	10/08/18:214296AAT	CCV	cpm	8418	40.7 %	35-47	
			CCB	cpm		0.1200	0.18	
Beta	900.0	10/08/18:214296AAT	CCV	cpm	8418	88.8 %	83-94	
			CCB	cpm		0.4000	0.48	
Gross Alpha	900.0	09/24/18:211394iwc	Blank	pCi/L		0.87	3	
			LCS	pCi/L	108.2	99.4 %	75-125	
			MS	pCi/L	108.2	152 %	60-140	435
		(SP 1812768-001)	MSD	pCi/L	108.2	201 %	60-140	435
			MSRPD	pCi/L	No Ref.	27.7%	≤30	
Gross Beta	900.0	09/24/18:211394iwc	Blank	pCi/L		0.50	4	
			LCS	pCi/L	69.89	124 %	84-160	
			MS	pCi/L	69.89	104 %	80-130	
		(SP 1812768-001)	MSD	pCi/L	69.89	76.7 %	80-130	435
			MSRPD	pCi/L	No Ref.	29.8%	≤30	
Alpha	903.0	10/02/18:214460AAT	CCV	cpm	8415	39.7 %	37-46	
			CCB	cpm		0.0800	0.12	
Total Alpha Radium (226)	903.0	09/25/18:211487emv	RgBlk	pCi/L		0.06	2	
			LCS	pCi/L	24.20	84.6 %	52-107	
			BS	pCi/L	24.20	86.7 %	43-111	
			BSD	pCi/L	24.20	83.9 %	43-111	
			BSRPD	pCi/L	24.20	3.2%	≤35.5	
Beta	905.0	10/01/18:214539emv	CCV	cpm	8417	88.7 %	85-93	
			CCB	cpm		0.3800	0.58	
Total Strontium	905.0	09/24/18:211418emv	RgBlk	pCi/L		0.17	2	
			LRS	pCi/L	17.78	118 %	53-133	
			BS	pCi/L	17.77	89.4 %	75-125	
			BSD	pCi/L	17.77	93.1 %	75-125	
			BSRPD	pCi/L	17.77	4.0%	≤20	
Tritium	906.0	09/26/18:211526aat	Blank	pCi/L		102	<300	
			LCS	pCi/L	1711	97.1 %	75-125	
			BS	pCi/L	1711	78.8 %	75-125	
			BSD	pCi/L	1711	78.9 %	75-125	
			BSRPD	pCi/L	1711	1.8	≤300	
	906.0	09/27/18:214311aat	CCV	pCi/L	26870	103 %	90-110	
			CCB	pCi/L		214	500	
Alpha	908.0	10/01/18:214401AAT	CCV	cpm	8416	38.9 %	36-45	
			CCB	cpm		0.0200	0.12	
Uranium	908.0	09/27/18:211588aat	RgBlk	pCi/L		0.59	1	
			LRS	pCi/L	26.84	78.3 %	54-105	
			BS	pCi/L	26.84	91.4 %	75-125	
			BSD	pCi/L	26.84	88.8 %	75-125	
			BSRPD	pCi/L	26.84	2.8%	≤20	
Beta	Ra - 05	10/10/18:214997emv	CCV	cpm	8409	88.7 %	84-94	
			CCB	cpm		0.4000	0.51	
Ra 228	Ra - 05	10/04/18:211427emv	RgBlk	pCi/L		0.003	3	
			LRS	pCi/L	31.30	69.6 %	65-108	
			BS	pCi/L	31.30	94.7 %	75-125	
			BSD	pCi/L	31.30	99.3 %	75-125	
			BSRPD	pCi/L	31.30	4.8%	≤25	

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.

October 12, 2018 Lab ID : SP 1812465

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Oct-18 11:01
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0313-01) Collected: 14-Sep-18 By IPC						
Silver	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AI81306	5.0	18-Sep-18 (AF)	83 ug/l	
Arsenic	EPA 200.8	AI81306	0.5	18-Sep-18 (AF)	1.0 ug/l	
Barium	EPA 200.8	AI81306	0.5	18-Sep-18 (AF)	6.3 ug/l	
Beryllium	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	<0.2 ug/l	
Cadmium	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	4.1 ug/l	
Copper	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	2.4 ug/l	
Iron	EPA 200.7	AI81724	0.02	17-Sep-18 (AF)	0.09 mg/l	
Mercury	EPA 245.1	AI81932	0.20	19-Sep-18 (AF)	<0.20 ug/l	
Manganese	EPA 200.8	AI81306	0.5	18-Sep-18 (AF)	3.7 ug/l	
Nickel	EPA 200.8	AI81306	0.5	18-Sep-18 (AF)	4.7 ug/l	
Lead	EPA 200.8	AI81306	0.2	18-Sep-18 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AI81306	1.0	18-Sep-18 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AI81306	2.0	18-Sep-18 (AF)	2.9 ug/l	
Thallium	EPA 200.8	AI81306	1.0	18-Sep-18 (AF)	<1.0 ug/l	
Uranium	EPA 200.8	AI81306	1.0	18-Sep-18 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AI81306	1.0	18-Sep-18 (AF)	16 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AI82633	0.02	19-Oct-18 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AI82633	0.01	19-Oct-18 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AI81832	2.0	05-Oct-18 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AI81832	2.0	05-Oct-18 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AI81832*		*05-Oct-18 (SJ)*	*69.3 % (50-120)*	
Alachlor	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Thiobencarb (Bolero)	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	

Respectfully Submitted,

Steve Jefferson 10/30/2018
Laboratory Director

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Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0313-01) Collected: 14-Sep-18 By IPC						
Surrogate: 1,3-Dimethyl-2-nitrobenzei	*EPA 507*	*AI81722*		*19-Oct-18 (SJ)*	*72.2 % (40-120)*	
Gamma-BHC(Lindane)	EPA 508	AI81723	0.01	12-Oct-18 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AI81723	0.01	12-Oct-18 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AI81723	0.01	12-Oct-18 (SJ)	<0.01 ug/l	
Endrin	EPA 508	AI81723	0.01	12-Oct-18 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AI81723	0.05	12-Oct-18 (SJ)	<0.05 ug/l	
Hexachlorocyclopentadiene	EPA 508	AI81723	1.0	12-Oct-18 (SJ)	<1.0 ug/l	
Hexachlorobenzene	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Chlordane	EPA 508	AI81723	0.1	12-Oct-18 (SJ)	<0.1 ug/l	
Toxaphene	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1016	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1221	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1232	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1242	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1248	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1254	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Aroclor 1260	EPA 508	AI81723	0.5	12-Oct-18 (SJ)	<0.5 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AI81723*		*12-Oct-18 (SJ)*	*57.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AI81723*		*12-Oct-18 (SJ)*	*75.0 % (50-120)*	
Bentazon	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AI82423	2.0	01-Oct-18 (SJ)	<2.0 ug/l	
Dinoseb	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AI82423	0.2	01-Oct-18 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AI82423*		*01-Oct-18 (SJ)*	*77.4 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 10/30/2018
Laboratory Director

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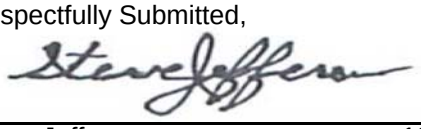
Report Date: 30-Oct-18 11:01
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0313-01) Collected: 14-Sep-18 By IPC						
Benzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Bromoform	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Carbon tetrachloride	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Dibromochloromethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	

Respectfully Submitted,



Steve Jefferson 10/30/2018
Laboratory Director

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
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Attention: Ric Vardel
Report Date: 30-Oct-18 11:01
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0313-01) Collected: 14-Sep-18 By IPC						
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AI82820	0.5	28-Sep-18 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AI82820	1.0	28-Sep-18 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AI82820*		*28-Sep-18 (SJ)*	*96.0 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AI82820*		*28-Sep-18 (SJ)*	*88.8 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AI82820*		*28-Sep-18 (SJ)*	*82.5 % (80-120)*	
Carbofuran	EPA 632	AI81733	0.5	23-Oct-18 (SJ)	<0.5 ug/l	
Oxamyl	EPA 632	AI81733	1.0	23-Oct-18 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AI82634	5.0	30-Oct-18 (SJ)	7.5 ug/l	
Bromoacetic Acid	EPA 552.2	AI82634	1.0	29-Oct-18 (SJ)	3.6 ug/l	
Dichloroacetic Acid	EPA 552.2	AI82634	1.0	29-Oct-18 (SJ)	<1.0 ug/l	
Trichloroacetic Acid	EPA 552.2	AI82634	1.0	29-Oct-18 (SJ)	<1.0 ug/l	
Dibromoacetic Acid	EPA 552.2	AI82634	10.0	30-Oct-18 (SJ)	42.0 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AI82634	1.0	29-Oct-18 (SJ)	51.1 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AI82634*		*29-Oct-18 (SJ)*	*69.6 % (60-140)*	
Benzo (a) pyrene	EPA 550	AI81927	0.05	24-Oct-18 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AI81927*		*24-Oct-18 (SJ)*	*73.9 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AI81727	0.005	18-Sep-18 (LA)	<0.005 mg/l	
MBAS	SM 5540C	AI81720	0.20	17-Sep-18 (PL)	<0.20 mg/l	
Color	SM 2120 C	AI81734	5.0	17-Sep-18 (LA)	30.9 CU	
Odor	SM 2150B	AJ81538	1	14-Sep-18 (SJ)	<1 T.O.N.	
Bromate	EPA 300.0	AI82430	5.0	25-Sep-18 (SJ)	<5.0 ug/l	
Chlorite	EPA 300.0	AI82430	20.0	25-Sep-18 (SJ)	<20.0 ug/l	
Fluoride	EPA 300.0	AI81841	0.10	18-Sep-18 (AV)	0.70 mg/l	

Respectfully Submitted,

Steve Jefferson 10/30/2018
Laboratory Director

PAT-CHEM
LABORATORIES

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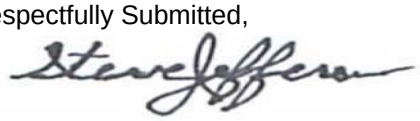
Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/30/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0313

Customer: IPC, Inc.		**Project:** (MCC) Quarterly EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	9/14/18	10:15	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn	Grab	AQ	1L P	HN	
	"	"	1	F, Bromate, Chlorite, Color, Odor, pH	Grab	AQ	1L P	4°C	7.8/30.0°C
	"	"	1	CN	Grab	AQ	250 P	OH, AA	
	"	"	1	MBAS	Grab	AQ	500 P	4°C	
	"	"	1	Perchlorate	Grab	AQ	500 P	4°C	
	"	"	8	524, 504, 552, 552.2,	Grab	AQ	VOA	4°C	
	"	"	6	507, 515, 632, 508, 550, 506,	Grab	AQ	1L G	4°C	
	"	"	5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
	"	"	5/6	Radioactive - Radium-226 & 228, Gross Alpha, Gross Beta, Strontium-90 Tritium,	Grab	AQ	1L G	4°C	missing Tritium bottle
	"	"	1	Uranium	Grab	AQ	1L G	4°C	

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	9/14/18	1355
Received by	MARIO SANTIESTEBAN (PCL)	9/14/18	1355
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/14/18	1711
Received by			
Relinquished by			
Received in lab by	PCL	9/14/18	1713

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	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such disclosure was beyond PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to attorneys' fees (the litigation if apportion) and awards arising in favor of Client or any third party as a result of, and/or in any way directly or indirectly 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. from, division or death of persons or 2. loss of, damage to, loss of, or loss of use of property, or the 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by PCL's 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, including good faith settlements 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 indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EIGHT (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by 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 trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-18 14:16
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0327-01) Collected: 15-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81610	2	21-Sep-18 (SGS)	3 mg/l	
pH	SM4500-H-B	AI81935	0.1	15-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81721	0.05	15-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81510	1.8	18-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81510	1.8	18-Sep-18 (PL)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/21/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810327

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/15	0800	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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	Ric VARDEL (IR)	9/15	0930
Received by			
Relinquished by	Jose L Gomez	9/15/18	0830
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 (i) an acceptance by the client of PCL's offer to do business with the client under the terms and condition 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 document shall be deemed to 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 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) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature 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 assuring 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 answered 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 in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder 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 containing technical information, software processing or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL (and its officers, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, demands, damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all costs, fees (including attorneys' fees) and expenses 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 representations, handling, or disposal of client's hazardous materials, injury, damage or death of persons 2. Loss of, damage to, loss of use of property and/or 3. Financial loss of every kind, of the client. 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. In no case, will indemnity or responsibility apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or passive 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 obligations will be supported by available liability insurance coverage to be furnished to 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 profits, business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an action to modify under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretations 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 microbiological analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when 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 by 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 agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client, 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 resell, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other recognition to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours. Before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

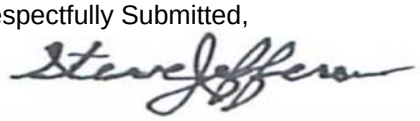
Attention: Ric Vardel
Report Date: 01-Oct-18 17:44
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0331-01) Collected: 16-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81833	2	24-Sep-18 (EA)	15 mg/l	
pH	SM4500-H-B	AI81935	0.1	16-Sep-18 (SS)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81721	0.05	17-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81613	1.8	18-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81613	1.8	18-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18-0331

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Ric VARDEL	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/16	0815	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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		Ric VARDEL (IPC)	9/16	0815
Received by		Alex Walker Jr	9/16/18	0845
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	9/16/18	10:41

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions
2. Independent Contractor
3. Orders and Acceptance
4. Limit of Liability
5. Clients Responsibility
6. Cancellation
7. Overriding Agreement
8. Force Majeure
9. Confidentiality
10. Hold Harmless
11. Hazardous Substances
12. Prices/Payments
13. Agreement Modification
14. No Third Party Beneficiaries; No Right of Reliance
15. Rush Analysis
16. Holding Times
17. Sample Retention
18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

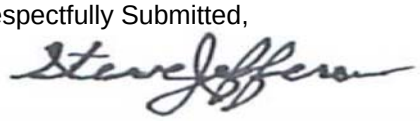
Attention: Ric Vardel
Report Date: 01-Oct-18 17:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0343-01) Collected: 17-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81833	2	24-Sep-18 (EA)	13 mg/l	
pH	SM4500-H-B	AI81935	0.1	17-Sep-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81827	0.05	18-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81725	1.8	19-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81725	1.8	19-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18FO343

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/17/18	8:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 24.8 °C
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	9/17/18	
Received by:	Pat-Chem	9/17/18	9:15
Relinquished by:	Pat-Chem	9/17/18	1:25
Received by:			
Relinquished by:			
Received in lab by:		9/17/18	1330

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.
The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (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 document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. All reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other items claiming.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including but not limited to attorneys' fees (the Litigation Expenses), and awards arising in favor of Client or any third party as a result of, and/or in any way occurring or arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1) injury, disease or death of persons 2) loss of, damage to, loss of, or loss of use of property and/or 3) financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and the pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material(s) for analytes 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 (each as 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 analyses completed is required for all new clients or within terms of payment and/or credit as may have been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, all be 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 agents' 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/or client's authorized representative. Excess that subsequent 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 intended, 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 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

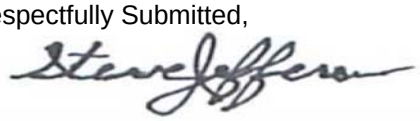
Attention: Ric Vardel
Report Date: 01-Oct-18 17:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0372-01) Collected: 18-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI81939	2	24-Sep-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AI81935	0.1	18-Sep-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI81937	0.05	18-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81838	1.8	20-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81838	1.8	20-Sep-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0372

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	9/18/18	8:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 24.4 °C
	"	"	1	BOD	Grab	AQ	1L 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: GK	Golan IPC	9/18/18	
Received by: Cindy	Pat chem	9/18/18	9:20
Relinquished by: RC	Curt	9/18/18	1:16
Received by:			
Relinquished by:			
Received in lab by:		9/18/18	1530

Sample Received Checklist

Temperature upon receipt: 4.9

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means 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 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. Any 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 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 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 orders 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 to the public domain, or client has failed to pay PCL for 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 unsolicited disclosure of such data where such disclosure is required. PCL reports are confidential documents prepared for the exclusive use and benefit of client and PCL agrees that it shall not, nor shall its employees or agents, deliver such reports, data or information to any third party (except to client's agents and representatives solely in furtherance of client's business) without client's prior written consent.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, all court fees, litigation expenses and expert witness fees 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, i.e. injury, illness, death of persons, cost of damage to, loss of, or loss of use of property, and/or 3. fines, or penalties 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. Further, this indemnity shall specifically apply when claims, damages, actions of every kind and nature, including, but not limited to, such claims, damages, actions, losses, liabilities, costs and expenses arising out of or caused by the negligence, strict liability or other fault of any Indemnified Person, whether active or as alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent not expressly prohibited by applicable law, client agrees that its indemnity obligations 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) or lost expenses in other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis 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 of bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when sample(s) completed is required for all new clients until such a history of payment and/or credit worthiness 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 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 client or client's are collected through legal proceedings or by an attorney, the client shall pay reasonable associated attorney's fees or agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information, or reports furnished by PCL. Client is ordering 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 issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (pictured is 8 hours) must be delivered at 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 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

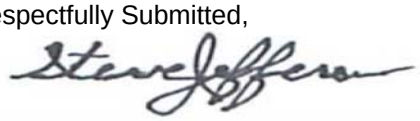
Attention: Ric Vardel
Report Date: 01-Oct-18 17:54
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0414-01) Collected: 19-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82006	2	25-Sep-18 (EA)	<2 mg/l	
pH	SM4500-H-B	AI82221	0.1	19-Sep-18 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82009	0.05	19-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI81934	1.8	22-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI81934	1.8	22-Sep-18 (JC)	1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0414

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/19/18	0755	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 23.3°C
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (PSC)	09/19/18	
Received by		Pat-Chem	9/19/18	8:50
Relinquished by		Pat-Chem	9/19/18	12:19
Received by				
Relinquished by				
Received in lab by			9/19/18	1200

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the Client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or solicitation 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 resulting 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'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 information materials provided by client to PCL pursuant to this agreement and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and not to any other third party or to third party beneficiary (ies) of the contents, data or information. Client will not disclose to any third party any proprietary or confidential technical information, software or know-how of PCL.

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 attorneys' fees, litigation expenses and costs) arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent handling or disposal of client's hazardous materials, 1. injury, disease or death of personnel, loss of, damage to, loss of use of property and/or 3. environmental damage of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnification specifically applies to losses, claims, liabilities, etc. of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified persons. To the extent 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 minimum 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 or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for 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 (as often 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 bacteriological analysis, client will be charged a sample disposal fee, per sample collected, 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 for 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 [insert number here] days from date of invoices. To the fullest extent permitted (if at all) by applicable 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 reasonable costs and attorney's fees or specific fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, 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, in using services hereunder for its own account, and not as agent, 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, 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 instrument.

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 4pm 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 laboratory 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (sometimes 8 hour) 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

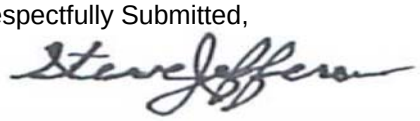
Attention: Ric Vardel
Report Date: 01-Oct-18 17:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0442-01) Collected: 20-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82109	2	26-Sep-18 (SGS)	4 mg/l	
pH	SM4500-H-B	AI82221	0.1	20-Sep-18 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82116	0.05	21-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82010	1.8	22-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82010	1.8	22-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 187042

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/20/18	0810	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1 / 23.3 C
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (SRE)	09/20/18	
Received by		(PCC)	9/20/18	9:25
Relinquished by		(PCC)	9/20/18	12:55
Received by				
Relinquished by				
Received in lab by			9/20/18	1302

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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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The Client may order services by submitting a written Letter of Intent (LOI) 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 intent 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.
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8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

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 to 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 maintains the same standard of care it takes in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such precautions were observed. PCL reports and information provided thereto are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose or use, directly or indirectly, any information pertaining to PCL's methods, software, processes or other techniques.

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 associated expenses, including, but not limited to attorneys' fees, litigation expenses and experts' witness fees of Client or any third party as a result of, arising in any way or alleged to arise 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, if injury, disease or death of personnel, direct damage to, loss of, or loss of use of property, or for ill financial loss of every kind, if the same is caused by, or alleged to be caused by, the negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, losses, damages, penalties of every kind and character arising out of or in connection with the negligence of Client or caused by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the aforementioned persons. To the extent insurance is available, Client agrees that its indemnity obligations set forth 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, consequential, incidental or consequential damages including without limitation, loss of profit or business interruption (whether foreseen or within Client's contemplation), attorney's fees, court costs, pre or post judgment interest, or any other expenses incurred by Client or any other party. Any legal action against or involving PCL or any indemnified parties in connection with this agreement or any services provided under this agreement even if Client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by Client, Client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or associated 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 a 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 in advance or when services is requested 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 as the end of thirty (30) days or pursuant to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients' authorized representatives, except that subsequent orders for additional services may be oral 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to 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 collected 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. As analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is a 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

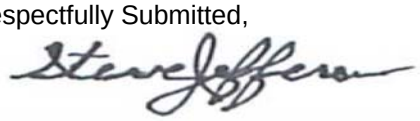
Attention: Ric Vardel
Report Date: 01-Oct-18 17:32
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0468-01) Collected: 20-Sep-18 By IPC						
Ammonia as N	EPA 350.1	AI82019	0.10	21-Sep-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI82108	0.20	21-Sep-18 (LA)	3.33 mg/l	
Nitrite as N	EPA 353.2	AI82108	0.02	21-Sep-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI82424	0.10	25-Sep-18 (LA)	0.68 mg/l	
Total Suspended Solids	SM 2540D	AI82110	1	21-Sep-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 180468

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/20/18	1310	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/20/18	
Received by		(PCL)	9/20/18	2:35
Relinquished by		PCL	9/20/18	4:06
Received by				
Relinquished by				
Received in lab by		PCL	9.20.18	1406

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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.

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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 materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has 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 as it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information. Upon client's written request, PCL will provide client with copies of PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any report, plan, work, technical information, software or analytical other item PCL has provided.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement without limitation, handling or disposal of client's hazardous materials, 1. Injury, disease or death of persons 2. Loss of, damage to, buried, or lost use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries contributed solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, costs, damages, and/or of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which one client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is requested is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those client's with an established credit account, our terms for payment of invoices are NET EIGHTEEN (18) days from date of invoices. To the fullest extent permitted by or 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 accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of agents' fees associated 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 one or 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to 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 servicing, entitlement, 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 (Incidentals 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 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

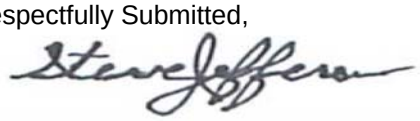
Attention: Ric Vardel
Report Date: 01-Oct-18 17:29
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18I0467-01) Collected: 20-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82109	2	26-Sep-18 (SGS)	556 mg/l	
Total Suspended Solids	SM 2540D	AI82110	1	21-Sep-18 (EA)	231 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0467

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/20/18	1145	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCC)	09/20/18	
Received by		(PCC)	9/20/18	2:38
Relinquished by		(PCC)	9/20/18	4:06
Received by				
Relinquished by				
Received in lab by		AL	9.20.18	16.06

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"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 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.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorneys' fees (the aforementioned expenses) and costs arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. lost of, damage to, loss of, or loss of use of property, and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover, defend against, actions of every kind and character, arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified Persons. To the extent 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 pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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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

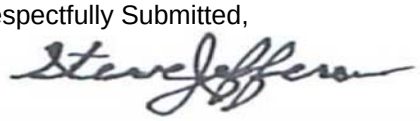
Attention: Ric Vardel
Report Date: 01-Oct-18 17:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0478-01) Collected: 21-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82109	2	26-Sep-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AI82221	0.1	22-Sep-18 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82222	0.05	22-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82114	1.8	23-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82114	1.8	23-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 180478

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/21/18	0800	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1 / 24.2 °C
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (GPC)	09/21/18	
Received by		PCL	~~9/18~~ 9/21/18	9:10
Relinquished by		(PCL)	9/21/18	11:00
Received by				
Relinquished by				
Received in lab by			9/21/18	1102

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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

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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.

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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.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the reports obtained by PCL shall be held in confidence (unless such information is generally available to the public or is for public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data whenever a standard was observed. PCL reports are confidential and are provided therein are for the exclusive use and benefit of client and client agrees that in no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information or use technical information, software proprietary or other knowledge.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated damages including, but not limited to all court fees (including expenses) and penalty arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Economic loss of any kind whatsoever. 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, in no event shall specifically apply to claims, claims, damages, penalties of every kind and nature, including and after in connection with the negligence, alleged, caused or attributed to any Responsible Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent 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 profits or business interruption, litigation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for 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 stored 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 collected, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon delivery is requested if no credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as will by applicable law, any amount unpaid at the end of thirty (30) days shall bear 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 accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only 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 by 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, 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 institutions or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (sodium is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

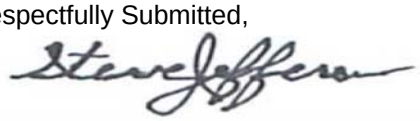
Attention: Ric Vardel
Report Date: 01-Oct-18 18:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0512-01) Collected: 22-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82529	2	28-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI82312	0.1	23-Sep-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82313	0.05	23-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82220	1.8	25-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82220	1.8	25-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0512

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/22	0815	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L 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	Ric VARDEL (IPC)	9/22	0815
Received by			
Relinquished by	Jose L Gomez	9-27-18	0921
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.

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 her heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or delivery thereof) 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 a bona fide 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 oral or additional terms and conditions expressed in a client's discussion shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are substantially 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 is the public domain or client has filed 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 when a such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees these shall be no third party beneficiaries of such reports, data or information. Client will not publish any third party information concerning technical information, software, processes 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 companies, now and as may any and all liabilities, losses or damages, claims, demands, causes of action, suits and proceedings regarding, but not limited to all costs, fees and expenses incurred by, and/or awarded 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. To apply, this act or default of pursuant of "Act of" damage to, loss of, or loss of use of property owned by Client, or loss of injury to) of any kind of character. This indemnity does not apply to any of the foregoing losses, claims damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity and agreement to defend described above does not apply to any claim, demand or cause of action or liability arising out of or resulting from the gross negligence or willful misconduct of the indemnified Person, whether active or passive, 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 provided by client, which insurance shall be in the maximum amounts permitted under applicable law, as an event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by 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 agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is issuing services and/or reports for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to 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 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 (particularly 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. 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

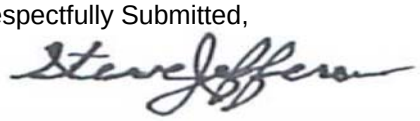
Attention: Ric Vardel
Report Date: 01-Oct-18 18:04
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0517-01) Collected: 23-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82529	2	30-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI82525	0.1	23-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82313	0.05	23-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82311	1.8	26-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82311	1.8	26-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0517

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/23	0815	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	BOD	Grab	AQ	1L 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	Ric VARDEL (IR)	9/23	0815
Received by	Alex Walker JR (PCL)	9/23/18	08:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker JR	9/23/18	1151

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water, SO - Soil / Sludge, OT - Other

Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, 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 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 owners, successors, assigns and representatives. "Price Schedule" means PCL's then-established price schedule for services, which may be updated by PCL from time to time. "Work Order" means a written document which is signed by Client and accepted by PCL.

2. Independent Contractor

PCL acts as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services hereunder expressly only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and Client shall have executed a separate agreement in written which is incompatible with these Terms. No terms or terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may offer (or request) a written order (or proposal) to PCL any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under these terms and conditions and (2) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or PCL's initial 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 (LAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a Work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition, which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern the 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 fact the materials given to the client or as work is required and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or the media, disclosed or otherwise made known by the client or a third party. Client agrees that PCL, its employees and agents may, from time to time, use Client's name in lists of customers and in descriptions of PCL's capabilities and experience. Client agrees that PCL may publish and disseminate to the public, including potential customers, descriptive information about the services performed by PCL for Client, including the fact that PCL performed such services for Client.

10. Hold Harmless

Client shall indemnify, defend and hold harmless PCL, its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, costs and expenses (including reasonable attorneys' fees) asserted against or incurred by PCL, its officers, agents, employees or successors arising out of or in connection with the performance of the services by PCL hereunder, except to the extent that such claims, demands, losses, liabilities, costs and expenses are caused by the gross negligence or willful misconduct of PCL, its officers, agents, employees or successors. Client shall indemnify, defend and hold harmless PCL, its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, costs and expenses (including reasonable attorneys' fees) asserted against or incurred by PCL, its officers, agents, employees or successors arising out of or in connection with the performance of the services by PCL hereunder, except to the extent that such claims, demands, losses, liabilities, costs and expenses are caused by the gross negligence or willful misconduct of PCL, its officers, agents, employees or successors. Client shall indemnify, defend and hold harmless PCL, its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, costs and expenses (including reasonable attorneys' fees) asserted against or incurred by PCL, its officers, agents, employees or successors arising out of or in connection with the performance of the services by PCL hereunder, except to the extent that such claims, demands, losses, liabilities, costs and expenses are caused by the gross negligence or willful misconduct of PCL, its officers, agents, employees or successors. Client shall indemnify, defend and hold harmless PCL, its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, costs and expenses (including reasonable attorneys' fees) asserted against or incurred by PCL, its officers, agents, employees or successors arising out of or in connection with the performance of the services by PCL hereunder, except to the extent that such claims, demands, losses, liabilities, costs and expenses are caused by the gross negligence or willful misconduct of PCL, its officers, agents, employees or successors.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples in such containers as are asbestos, polychlorinated biphenyls, bacteria or any other substances or trace material, wastes and substances which are in fact, or recognized to constitute a risk to the environment, state or local laws. PCL policies or regulations (with the interpretation of the EPA or any local or governmental or any judicial or administrative interpretation of any part of 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 unexposed portions of samples as directed 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 service and price schedule. In addition, all samples received by PCL for analysis become property of PCL and may be disposed of by PCL after a sample disposal fee, per sample submitted, in accordance with PCL's 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 for the same the services were rendered or such other quoted and agreed upon price in writing. The price schedule is subject to change at any time without notice. Payment in advance of services may be required or requested for all new clients. Terms of payment and all invoices are due upon receipt unless otherwise specified by PCL. For those clients with an established credit line, the terms for payment of invoices are NET 30 days unless otherwise specified by PCL. Invoices not paid within thirty (30) days from date of invoice, or other credit terms as may be established by PCL, shall be subject to interest at the rate of one and one-half percent (1.5%) per month (or the highest amount permitted by law, if lesser) on the unpaid balance. If unpaid amounts are referred to collection or legal action for enforcement of payment, Client shall pay reasonable attorneys' fees and costs of collection. Client shall pay all taxes, duties and assessments of any nature now or hereafter imposed on or with respect to the services.

13. Agreement Modification

Except as otherwise provided herein, the Terms shall be effective upon writing and executed by authorized officers and any changes and modifications must be in writing. Either party may request changes in the Terms, but no changes shall be binding upon PCL unless accepted by it in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for Client's use of or reliance on data, information, or reports furnished to PCL. Client in securing services hereunder for its own account, and not as agent or broker for any other representative capacity for any corporation or entity, it is agreed and understood that there are no third party beneficiaries to this agreement and that no third party may rely upon 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 syndication of any securities, any portion of same supporting the holders of any security, the issuing, amendment, renewal or extension of any loan from any financial institution or other lender or the participation in 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 analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 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 (extraction 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 PCL representatives have been trained on the fee schedule. Reasonable time has been allocated for each pick up to include unnecessary delays during the pick up or sampling, might be processed 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

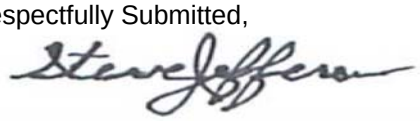
Attention: Ric Vardel
Report Date: 01-Oct-18 18:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0524-01) Collected: 24-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82529	2	30-Sep-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AI82525	0.1	24-Sep-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82519	0.05	25-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82428	1.8	26-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82428	1.8	26-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18E0524

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/24/18	0805	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 23.4 °C
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (SRE)	09/24/18	
Received by		(PCL)	9/24/18	9:30
Relinquished by		(PCL)	9/24/18	2:30
Received by				
Relinquished by				
Received in lab by			9/24/18	1720

Sample Received Checklist

Temperature upon receipt: 9°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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/her or their successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or supplemented 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 performed hereunder 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 instructing consulting services constitutes the client's express assent to be governed by these terms and conditions. No ordinary 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 sample(s) 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 presented by client or its client's consultant and the reports delivered by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client is 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 where such standard was observed. PCL reports and information provided shall be solely for the exclusive use and benefit of client and client agrees that it shall be the third party beneficiary of such reports. Save as set forth herein, Client will not disclose to any third party, per publication concerning technical information, without prior written permission from PCL.

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 all suits and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys fees and 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 representations regarding the disposal of items / hazardous materials, 1. injury, illness or death of persons; 2. loss of, damage to, use of, trespass of use of property; and/or 3. pollution, spill or escape of materials. This indemnity shall not apply to any of the foregoing which results solely from the willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, without limitation, all damages, actions of every kind and character arising out of or in connection with the negligence of an independent contractor, any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage 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 cost of joint judgment reversal, 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 the services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes or 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 analysis for total oil analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when 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 by law, PCL may apply a service charge on any unpaid amount as this and 10 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 a collection agency or by an attorney, the client shall pay reasonable costs and attorney's fees or arbitration fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to this 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 its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times of 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) 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 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: 01-Oct-18 18:09
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0549-01) Collected: 25-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82625	2	01-Oct-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AI82626	0.1	26-Sep-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82535	0.05	25-Sep-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82527	1.8	27-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82527	1.8	27-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18-T0549

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/25/18	0805	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/7.4
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez	09/25/18	
Received by		(PCL)	9/25/18	10:07
Relinquished by		PCL	9/25/18	1:08
Received by				
Relinquished by				
Received in lab by			9/25/18	1800

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (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, consisting of sampling services and the results, documents, reports and representations. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (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. All 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 (TLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be 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

shall not be responsible for delay or failure to perform under pursuant to this agreement due to causes its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has agreed to give PCL for all services rendered) or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that shall not hold party have liability of such reports, data or information. Client will not disclose to any third party any information concerning technical information, scientific processes or other trade secrets.

10. Hold Harmless

Client releases and to at least 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 associated expenses including but not limited to attorney fees (the Litigation Expenses) and amounts arising in favor of client or any third party as a result of, and/or in any way occurring incident, pursuing out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, control of use of property and/or 3. Fines of any of every kind of character. This indemnity 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 shall not specifically apply to losses, claims, damages, and costs of every kind and character arising out of and connection with the negligence or the breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect 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 by all by applicable law, any amount unpaid at the expiration of thirty (30) days in arrears shall bear interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, or notifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by the or authorized representative. Verbal instructions subsequent orders for additional services may be carried or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or results furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (analysis is 48 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. Prearranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Oct-18 18:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0585-01) Collected: 26-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82625	2	01-Oct-18 (SGS)	2 mg/l	
pH	SM4500-H-B	AI82710	0.1	26-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82630	0.05	26-Sep-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82627	1.8	28-Sep-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82627	1.8	28-Sep-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/1/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18F0585

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH (Field) Lab
EFF	09/26/18	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4/24.4
"	"	"	1	BOD	Grab	AQ	1L 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		Carlos Alvarez (SPC)	09/26/18	
Received by		PCL	9/26/18	9:07
Relinquished by		(PCL)	9/26/18	11:0
Received by				11:28
Relinquished by				
Received in lab by			9/26/18	1130

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.1°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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 addenda or agreements hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, submitting 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 released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which governs and supersedes 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 (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 AnalyCcal 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 filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or from process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be liable for unauthorized disclosure of data unless such standard was observed. PCL reports and information or exhibits thereto are for the exclusive use and benefit of client and no copies thereof shall be furnished to any person(s) or use of reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and associated 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. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of real property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and shall be 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 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 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 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 persons) in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

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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 providing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (such as 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for lengthy 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

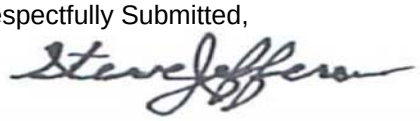
Attention: Ric Vardel
Report Date: 05-Oct-18 15:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0622-01) Collected: 27-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82808	2	03-Oct-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI82810	0.1	28-Sep-18 (SS)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82805	0.05	28-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82713	1.8	29-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82713	1.8	29-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 180622

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/27/18	0810	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 23.7
	"	"	1	BOD	Grab	AQ	1L 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. Alvarez.	Carlos Alvarez	09/27/18	
Received by		PCL	9/27/18	9:33
Relinquished by		(PCL)	9/27/18	11:18
Received by				
Relinquished by				
Received in lab by			9/27/18	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
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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this Agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the US Environmental Protection Agency (EPA), CA Waterboard (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 these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to any disclosure required by law or lawful 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, which shall be disposed as per PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall not to any third party beneficiary of such reports, data or information. Client will not rely on PCL any other party any information concerning technical information, software programs or other knowledge.

10. Hold Harmless

Client releases and shall save, indemnify, defend and keep PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all actions, losses or damages, claims, demands, causes of action, costs and reasonable expenses including, but not limited to, all court fees (but litigation Expenses) and awards arising out of claims by 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, personal death of persons, 2. loss of, damage to, or use or loss of use of property, and/or 3. losses of moral, money and 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. For purposes of 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 "Indemnified Person," whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may otherwise owe 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 for pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, barrels or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or any alternative as negotiated is required for all new clients or clients without a history of payment and/or clients account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or as 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 ½%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client will pay reasonable costs and attorney's fees of against fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective unless agreed to in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports distributed 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 is privy to 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 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 ≤ 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 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 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

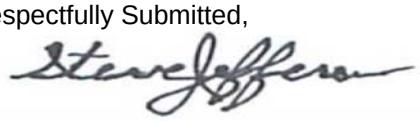
Attention: Ric Vardel
Report Date: 05-Oct-18 16:29
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0649-01) Collected: 27-Sep-18 By IPC						
Ammonia as N	EPA 350.1	AI82807	0.10	28-Sep-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI82814	0.20	28-Sep-18 (LA)	2.45 mg/l	
Nitrite as N	EPA 353.2	AI82814	0.02	28-Sep-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ80126	0.10	02-Oct-18 (LA)	0.76 mg/l	
Total Suspended Solids	SM 2540D	AI82811	1	28-Sep-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0049

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/27/18	1410	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	09/27/18	
Received by	PCL	9/27/18	2:40
Relinquished by	PCL	9/27/18	4:30
Received by			
Relinquished by			
Received in lab by		9/27/18	1640

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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 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 test sample materials provided by client or at client's request and the results released 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 as it uses in protecting its own confidential data and shall limit the responsible personnel's disclosure of such data where such confidentiality is observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and client's agent. There shall be no third party beneficiaries of such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (and Litigation Expenses) and awards arising in favor of Client or any third party as a result of, related in any way to or 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, use of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent best allowed under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

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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 clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

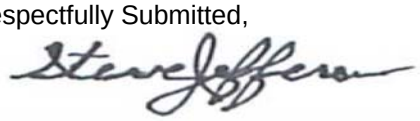
Attention: Ric Vardel
Report Date: 05-Oct-18 16:31
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18I0651-01) Collected: 27-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82808	2	03-Oct-18 (SGS)	531 mg/l	
Total Suspended Solids	SM 2540D	AI82811	1	28-Sep-18 (EA)	240 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18T0657

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/27/18	1330	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/27/18	
Received by		PCL	9/27/18	2:40
Relinquished by		PCL	9/27/18	4:00
Received by				
Relinquished by				
Received in lab by			9/28/18	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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)'s 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 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.

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/or samples materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public, or is the public domain or client has 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 must use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client data unless such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any proprietary processing technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (including Attorney's Fees) and agents arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or monies caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees client's 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) Legal cost, Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or at all by applicable 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 reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if writing and executed by an officer of PCL and a 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 its own account, and not as agent or broker, or in any other representative capacity for any other person by 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 recurring 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 ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pic or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

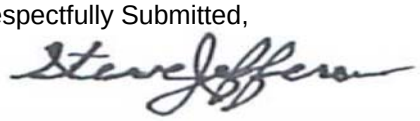
Attention: Ric Vardel
Report Date: 05-Oct-18 15:44
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0657-01) Collected: 28-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI82808	2	03-Oct-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AI82920	0.1	29-Sep-18 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI82921	0.05	29-Sep-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82815	1.8	30-Sep-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82815	1.8	30-Sep-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18I0657

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9007

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	09/28/18	0830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2/22.7°C
			1	BOD	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Relinquished by / Received by	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	09/28/18	0941
Received by		MARIO SANTIESTEBAN (PCL)	9/28/18	0941
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/28/18	1139
Received by				
Relinquished by				
Received in lab by		P/C	9/28/18	1140

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 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 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 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 in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and Client agrees there shall be no third party beneficiary of PCL reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, parent, affiliates, subsidiaries and agents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to attorneys' fees (the "Liabilities"), and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities proximately to the extent negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which Client might otherwise have to PCL and the other indemnified Persons. To the extent universally 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 to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses in either fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interests, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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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

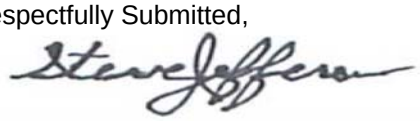
Attention: Ric Vardel
Report Date: 05-Oct-18 15:46
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0681-01) Collected: 29-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AI83024	2	05-Oct-18 (EA)	7 mg/l	
pH	SM4500-H-B	AJ80326	0.1	29-Sep-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80121	0.05	29-Sep-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI82919	1.8	01-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI82919	1.8	01-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/5/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 19106581

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/29/18	0855	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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	Carlos Alvarez (IPC)	09/29/18	
Received by			
Relinquished by	Jose L Gomez	9-29-18	1100
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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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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 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

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was met. All PCL reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees that it shall not rely on third party beneficiary of such reports, data or information. Client will not disclose to any third party any interpretation, arising technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees, litigation expenses and amounts arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. actual damage to, loss of, or loss of use of property and or 3. freedom or loss of many similar type etc. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, costs 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 indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or when orders quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by 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 reasonable costs and attorney's fees or agents' fees associated 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 clients authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to 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 the 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 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been 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 accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

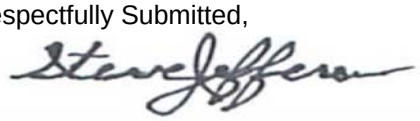
Attention: Ric Vardel
Report Date: 08-Oct-18 16:55
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18I0686-01) Collected: 30-Sep-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80221	2	07-Oct-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AJ80326	0.1	30-Sep-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80121	0.05	01-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI83027	1.8	02-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI83027	1.8	02-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/8/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: K10686

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/30/18	0915	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L 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		Carlos Alvarez (IPC)	09/30/18	1225
Received by		Jordan Corkery	09/30/18	1225
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
(Comp)

Matrix
(AQ) -Water
SO -Soil / Sludge
OT - Other

Bottle Type
~~P~~ -Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 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 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 shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees that it will not hold party benefitary of our reports, data or information. Client without disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third parties as a result of, relating in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. (2a) of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind and character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities arising solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or in breach of contract by any indemnified Person, whether actual or alleged, or 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 to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (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 Material. 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 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 or at all by applicable law, any amount unpaid at the end of thirty (30) days of invoice 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 amount is to be collected through legal proceedings or by an attorney, the client or all pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on said data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteriology 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

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

Pat-Chem Laboratories

11990 Discovery Court

Moorpark, CA 93021

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.: **1531**

Expiration Date: **5/31/2019**

Effective Date: **6/1/2017**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

11990 Discovery Court
Moorpark, CA 93021
Phone: (805) 532-0012

Certificate No. 1531
Expiration Date 5/31/2019

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.010	001	Heterotrophic Bacteria	SM9215B
101.010	002	Heterotrophic Bacteria	SimPlate
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform P/A	SM9221B
101.020	002	Fecal Coliform P/A	SM 9221 B,E
101.020	003	E. coli P/A	SM 9221 B,F
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0

As of 5/31/2017 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.030	009	Sulfate	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.045	001	Perchlorate	EPA 314.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.121	001	Hardness	SM2340C-1997
102.130	001	Conductivity	SM2510B-1997
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.147	001	Calcium	SM3120B-1999
102.147	002	Magnesium	SM3120B-1999
102.147	003	Potassium	SM3120B-1999
102.147	004	Silica	SM3120B-1999
102.147	006	Hardness (calculation)	SM3120B-1999
102.150	001	Chloride	SM4110B
102.150	002	Fluoride	SM4110B
102.150	003	Nitrate	SM4110B
102.150	004	Nitrite	SM4110B
102.150	005	Phosphate, Ortho	SM4110B
102.150	006	Sulfate	SM4110B
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.190	001	Cyanide, Total	SM4500-CN E
102.190	001	Cyanide, Total	SM4500-CN E
102.191	001	Cyanide, Total	SM4500-CN F
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F C-1997
102.200	001	Fluoride	SM4500-F C
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.234	001	Nitrite (as N)	SM4500-NO3- F-2000
102.234	001	Nitrite	SM4500-NO3 F
102.234	002	Nitrate (as N)	SM4500-NO3- F-2000

102.234	002	Nitrate	SM4500-NO3 F
102.241	001	Phosphate, Ortho	SM4500-P F
102.260	001	Total Organic Carbon TOC	SM5310B-2000
102.260	001	Total Organic Carbon TOC	SM5310B
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B
102.270	001	Surfactants	SM5540C-2000
102.270	001	Surfactants	SM5540C
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.030	001	Mercury	SM3112B
103.060	001	Aluminum	SM3120B
103.060	003	Barium	SM3120B
103.060	004	Beryllium	SM3120B
103.060	007	Chromium	SM3120B
103.060	008	Copper	SM3120B
103.060	009	Iron	SM3120B
103.060	011	Manganese	SM3120B
103.060	012	Nickel	SM3120B
103.060	015	Silver	SM3120B
103.060	017	Zinc	SM3120B
103.130	001	Aluminum	EPA 200.7
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	003	1,2,3-Trichloropropane	EPA 504.1

104.030	003	1,2,3-Trichloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	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	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	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	034	trans-1,3-Dichloropropene	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	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	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	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	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	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	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	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	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	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	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	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	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	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Adipates	EPA 506
105.020	000	Phthalates	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	010	Phthalates	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides	EPA 508
105.035	001	Aldrin	EPA 508
105.035	001	Aldrin	EPA 508
105.035	002	Dieldrin	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	004	Endosulfan II	EPA 508

105.035	004	Endosulfan II	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	006	Endrin	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	008	Heptachlor	EPA 508
105.035	009	Heptachlor Epoxide	EPA 508
105.035	010	Hexachlorobenzene	EPA 508
105.035	011	Lindane	EPA 508
105.035	012	Methoxychlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	014	Chlordane	EPA 508
105.035	015	Toxaphene	EPA 508
105.035	018	Aroclor 1221	EPA 508
105.035	019	Aroclor 1232	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	021	Aroclor 1248	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	023	Aroclor 1260	EPA 508
105.040	000	Chlorinated Pesticides	EPA 508
105.040	003	Chlordane (total)	EPA 508
105.040	007	Endrin	EPA 508
105.040	008	Heptachlor	EPA 508
105.040	009	Heptachlor Epoxide	EPA 508
105.040	010	Hexachlorobenzene	EPA 508
105.040	012	Lindane	EPA 508
105.040	013	Methoxychlor	EPA 508
105.040	015	Toxaphene	EPA 508
105.040	016	PCBs as Aroclors (screen)	EPA 508
105.070	001	Bentazon	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP	EPA 515.1

105.070	008	2,4,5-TP	EPA 515.1
105.070	009	Chlorinated Acids	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	004	Dalapon	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215B
107.020	002	Total Coliform (Enumeration)	SM9221B,E-2006
107.020	002	Total Coliform (Enumeration)	SM9221B-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.242	001	Enterococci	Enterolert
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.247	001	E. coli (Enumeration)	SM9221B,F-2006
107.247	001	E. coli (Enumeration)	SM9221B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.020	001	Conductivity	EPA 120.1
108.020	001	Conductivity	EPA 120.1
108.030	001	Hardness	EPA 130.1
108.051	001	Hydrogen Ion (pH)	EPA 150.1
108.090	001	Residue, Volatile	EPA 160.4
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	001	Boron	EPA 200.7

108.112	002	Calcium	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.113	001	Boron	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	005	Silica, Dissolved	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (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	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.209	001	Ammonia (as N)	EPA 350.1
108.210	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2

108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	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
108.266	001	Phosphorus, Total	EPA 365.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B-2001
108.390	001	Turbidity	SM2130B-2001
108.400	001	Acidity	SM2310B-1997
108.410	001	Alkalinity	SM2320B-1997
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.421	001	Hardness	SM2340C-1997
108.421	001	Hardness	SM2340C-1997
108.430	001	Conductivity	SM2510B-1997
108.430	001	Conductivity	SM2510B-1997
108.438	001	Boron	SM3125B-2009
108.438	002	Calcium	SM3125B-2009
108.438	003	Magnesium	SM3125B-2009
108.438	004	Potassium	SM3125B-2009
108.438	006	Sodium	SM3125B-2009
108.438	007	Hardness (calculation)	SM3125B-2009
108.439	001	Residue, Volatile	SM2540E-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2000
108.444	001	Temperature	SM2550B-2000
108.447	001	Boron	SM3120B-1999
108.447	002	Calcium	SM3120B-1999
108.447	003	Hardness (calculation)	SM3120B-1999
108.447	004	Magnesium	SM3120B-1999

108.447	005	Potassium	SM3120B-1999
108.447	006	Silica	SM3120B-1999
108.447	007	Sodium	SM3120B-1999
108.448	001	Bromide	SM4110B-2000
108.448	002	Chloride	SM4110B-2000
108.448	003	Fluoride	SM4110B-2000
108.448	004	Nitrate (as N)	SM4110B-2000
108.448	005	Nitrite (as N)	SM4110B-2000
108.448	006	Nitrate-nitrite	SM4110B-2000
108.448	007	Phosphate, Ortho	SM4110B-2000
108.448	008	Sulfate	SM4110B-2000
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.465	001	Chlorine, Total	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.472	001	Cyanide, Total	SM4500-CN E-1999
108.472	001	Cyanide, Total	SM4500-CN C,E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.474	001	Cyanide, Total	SM4500-CN F-1999
108.480	001	Fluoride	SM4500-F B,C-1997
108.480	001	Fluoride	SM4500-F B,C-1997
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.506	002	Ammonia (as N)	SM4500-NH3 G-1997
108.508	002	Ammonia (as N)	SM4500-NH3 G-1997
108.513	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg D-1997
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.542	001	Phosphate, Ortho	SM4500-P F
108.544	001	Phosphate, Ortho (as P)	SM4500-P G-1999
108.545	001	Phosphorus, Total	SM4500-P H-1999
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.603	001	Oil & Grease Total	SM5520B-2001

108.605	001	Surfactants	SM5540C-2000
108.605	001	Surfactants	SM5540C-2000
108.625	001	Phenols, Total	SM5530 B-2005
108.626	001	Phenols, Total	SM5530 D-2005
108.626	001	Phenols, Total	SM5530 D-2005

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	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	026	Vanadium	EPA 200.7

109.010	027	Zinc	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

109.190	001	Mercury	EPA 245.1
109.430	001	Aluminum	SM3120B-1999
109.430	002	Antimony	SM3120B-1999
109.430	003	Arsenic	SM3120B-1999
109.430	004	Barium	SM3120B-1999
109.430	005	Beryllium	SM3120B-1999
109.430	007	Cadmium	SM3120B-1999
109.430	009	Chromium	SM3120B-1999
109.430	010	Cobalt	SM3120B-1999
109.430	012	Iron	SM3120B-1999
109.430	015	Manganese	SM3120B-1999
109.430	016	Molybdenum	SM3120B-1999
109.430	017	Nickel	SM3120B-1999
109.430	019	Selenium	SM3120B-1999
109.430	021	Silver	SM3120B-1999
109.430	023	Thallium	SM3120B-1999
109.430	024	Vanadium	SM3120B-1999
109.430	025	Zinc	SM3120B-1999
109.445	002	Chromium (VI)	SM3500-Cr B-2009
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
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.103	000	Nitrosamines	EPA 625
111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B

114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	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
114.103	001	Chromium (VI)	EPA 7196A
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.141	001	Mercury	EPA 7471A
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C

114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.080	120	Oxygenates	EPA 8260B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.110	000	Extractable Organics	EPA 8270C
117.110	000	Extractable Organics	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081A
117.210	000	Pesticides & PCBs	EPA 8081A
117.220	000	PCBs	EPA 8082
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

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
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C
120.080	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221B,C-2006
126.010	001	Total Coliform (Enumeration)	SM9221B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E-2006
126.030	001	Fecal Coliform (Enumeration)	SM9221B,E-2006
126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)

126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.080	001	Enterococci	Enterolert
126.080	001	Enterococci	Enterolert

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October 25, 2018
Project No: 15-01587

Craig George
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90401

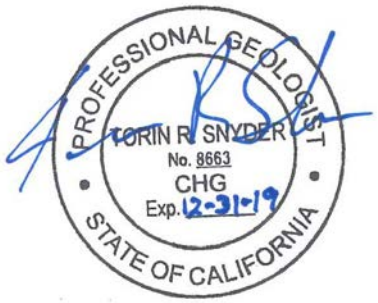
Subject: **Third Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

Dear Mr. George:

Rincon Consultants, Inc. has prepared the Third Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California. The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was conducted. The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the Third Quarter 2018 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 ____ day of _____ at _____

_____
Signature

_____
Title

Malibu Civic Center Wastewater Treatment Facility

Third Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

October 2018

Rincon Consultants, Inc.
Environmental Scientists Planners Engineers
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1 Introduction

This report presents the results of the Third Quarter 2018 Long-Term Groundwater and Surface Water Monitoring activities for the Malibu Civic Center Wastewater Treatment Facility located in the City of Malibu, California (Figure 1). The Civic Center Wastewater Treatment Facility (CCWTF) began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was conducted. The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu. As a result of 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, the City of Malibu has designed and constructed a new wastewater treatment facility.

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

As baseline monitoring activities (Task I) have been completed and CCWTF operations have commenced, long-term monitoring activities (Task II) have been triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and

landscape irrigation or percolation, will have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

At this time, the basin-wide 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 have been designed to build upon one another to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task and a discussion of key objectives.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of this task's monitoring was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, will have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to ensure compliance with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells will ensure adequate spatial and vertical coverage of the basin in the vicinity of the proposed CCWTF injection to be able to monitor for potential adverse impacts. The nine groundwater monitoring wells and ten surface water sampling locations identified in Task II will be sampled on a quarterly basis once CCWTF operations commence. 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 off 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 16 groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City and in a small area in the unincorporated portion of Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, will have on the Malibu Groundwater Basin. The SNMP will also provide 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 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 as a result of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program has been designed to appraise the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide a better 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 lies 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 two watersheds: the Malibu Creek and Winter Canyon Creek watersheds. The majority 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, large-acreage residential properties, and many natural stream reaches (Los Angeles RWQCB 2011). Malibu Lagoon is located at the terminus of the Malibu Creek watershed. Malibu Lagoon is a brackish estuary of approximately 13 acres. However, it 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 significant canyons within the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (DWR groundwater basin no. 4-22) is a small alluvial basin, approximately 613 acres in size. The groundwater basin is bounded by the Pacific Ocean on the

south, and by the Santa Monica Mountains, composed of non-water-bearing Tertiary age rocks to the north, east, and west.

Water bearing geologic formations in the Malibu Valley Groundwater Basin are comprised of 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 around 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 Activities Completed During the Third Quarter of 2018

The following activities were completed during the Third Quarter of 2018:

- Rincon measured depth to water in groundwater monitoring wells on July 10, August 20, and September 17, 2018.
- Rincon collected and analyzed surface water samples for WDR/MRP compliance on August 28, 2018.
- Rincon collected and analyzed groundwater samples for WDR/MRP, SNMP, and MOU compliance between August 21 and August 24, 2018.

5 Groundwater Elevations and Gradients

Rincon mobilized to 46 groundwater monitoring wells to measure the depth to water using an electronic water level indicator on July 10, 2018, August 20, 2018, and September 17, 2018 (Table 1 and Appendix A). Of the 46 groundwater monitoring wells, two of the wells were unable to be located (MBCMW-5 and MBCMW-6). One well was inaccessible due to lagoon restoration activities. During the September groundwater monitoring event, GH9-M4 was reported to be buried, SMBRP-6 was inaccessible due to an untended dog on the adjacent residential property, and SMBRP-16 was covered. Lastly, SMBRP-15B was reported as dry for all three monitoring events. Therefore, groundwater elevations could not be calculated in these groundwater monitoring wells.

5.1 Shallow Zone

The groundwater elevations ranged from 4.64 feet above mean sea level (amsl) in groundwater monitoring well MCWP-MW08 to 20.73 feet amsl in groundwater monitoring well SMBRP-8 (Table

1). Groundwater elevations during the third quarter of 2018 decreased from July to September in all shallow groundwater monitoring wells, with the exception of MBCMW-7 and MCWP-MW07S.

Groundwater elevations decreased a maximum of 1.78 feet amsl in groundwater monitoring well SMBRP-12 and a minimum of 0.01 feet amsl in groundwater monitoring well MBCMW-10. Groundwater elevations increased a maximum 0.33 feet amsl in groundwater monitoring well MCWP-MW07S and a minimum of 0.07 feet amsl in groundwater monitoring well MBCMW-7. The predominant direction of groundwater flow ranged from southeast to south, towards the coastline. Elevation data and flow direction are depicted in Figures 3 through 5.

The shallow groundwater gradient was 0.0028 feet/foot, 0.0035 feet/foot, and 0.0035 feet/foot (calculated using groundwater monitoring wells SMBRP-2, SMBRP-9, and SMBRP-12) during the July, August, and September monitoring events, respectively.

5.2 Deep Zone

The groundwater elevations ranged from 5.40 feet amsl in groundwater monitoring well MCWP-MW07D to 10.56 feet amsl in groundwater monitoring well MCWP-MW09 (Table 1). Groundwater elevations decreased in all groundwater monitoring wells when comparing monthly groundwater elevations between July and August 2018 (with the exception of MCWP-MW09 which increased and MCWP-MW03 which did not change in elevation) and increased in five out of eight groundwater monitoring wells when comparing monthly groundwater elevations between August and September 2018. Groundwater elevations increased a maximum of 1.63 feet amsl in groundwater monitoring well MCWP-MW09 from July to September and decreased a maximum of 0.36 feet amsl in groundwater monitoring well MCWP-MW01 from July to September.

5.3 Winter Canyon

The groundwater elevations ranged from 9.85 feet amsl in groundwater monitoring well SMBRP-11 to 51.55 feet amsl in groundwater monitoring well LAMW-5S (Table 1). Groundwater elevation decreased 0.47 feet amsl in groundwater monitoring well SMBRP-11 and increased 1.35 feet amsl in groundwater monitoring well LAMW-5S when comparing monthly groundwater elevations between July and September 2018.

6 Water Quality Sampling Analysis

6.1 Surface Water Sampling Methodology

On August 28, 2018 a total of ten surface water samples were collected. Four ocean water samples were collected from the near shore area along Malibu Road (N-001 through N-004) and six surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006). The near shore surface 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 were collected from each location at a depth of approximately twelve inches below the surface of the water.

All surface water samples were collected up-current of the sampling person's body to minimize potential contamination of the surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy Analytical (Enthalpy) located in Orange, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler pending delivery to Enthalpy.

The surface water samples were analyzed for total and fecal coliform, nitrate (as nitrogen), nitrite (as nitrogen), organic nitrogen, ammonia (as nitrogen), total Kjeldahl nitrogen (TKN), and total phosphorous. All surface water monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2).

6.2 Groundwater Sampling Methodology

A total of fifteen groundwater samples were collected during the third quarter of 2018 (MBCMW-9 was dry at the time of sampling). Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, which ever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water was stored in a 500-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWWTF. Field data are included in Appendix A.

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. All groundwater monitoring locations and corresponding laboratory analysis are shown in the Groundwater and Surface Water Analytical Matrix (Table 2).

6.3 Surface Water Analytical Laboratory Analysis

The surface water samples collected during the Third Quarter 2018 sampling event were analyzed by Enthalpy. The laboratory analytical results for the Third Quarter monitoring event are shown in Table 3. Laboratory reports are included as Appendix B of this report.

6.3.1 Total Coliform

All total coliform concentrations in the near shore surface water were reported below the reporting limit of 2.0 Most Probable Number per 100 milliliters (MPN/100 mL).

Total coliform concentrations in the surface water of Malibu Lagoon and Creek ranged from 84 MPN/100 mL at L-003 to 540 MPN/100 mL at L-002. An average concentration of approximately 224 MPN/100 mL was calculated for all surface water samples collected in Malibu Lagoon and Creek.

6.3.2 Fecal Coliform

All fecal coliform concentrations in surface water samples collected at the near shore were reported below the reporting limit of 2.0 MPN/100mL, with the exception of N-003 (6.2 MPN/100mL).

Fecal coliform concentrations in the Malibu Lagoon and Creek surface water ranged from less than 2.0 MPN/100 mL at L-002 and L-005 to 28 MPN/100 mL at L-006 with an average concentration of 8 MPN/100 mL.[1]

6.3.3 Nitrogen

Nitrate as Nitrogen

All nitrate as nitrogen concentrations in surface water samples collected at the near shore and Malibu Lagoon and Creek sampling locations were not detected above the reporting limit (RDL, reporting limit) of 0.1 mg/L.

Other Forms of Nitrogen

All nitrite as nitrogen concentrations in surface water samples collected at the near shore and Malibu Lagoon and Creek sampling locations were not detected above the reporting limit of 0.1 mg/L.

Organic nitrogen concentrations in surface water samples collected at the near shore sampling locations during the Third Quarter 2018 monitoring event were not detected above the reporting limit of 0.5 mg/L.

Organic nitrogen was detected in all Malibu Lagoon and Creek sampling locations, ranging from 2.8 mg/L (L-001, L-003, and L-006) to 3.8 mg/L (L-004). An average concentration of 3.1 mg/L was calculated for all surface water samples collected from Malibu Lagoon and Creek.

Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone (Figure 6). All ammonia (as nitrogen) concentrations in surface water samples collected at the near shore and the Malibu Lagoon and Creek sampling locations during the Third Quarter 2018 monitoring event were not detected above the reporting limit of 0.1 mg/L.

TKN concentrations in surface water samples collected at the near shore sampling locations during the Third Quarter 2018 monitoring event were not detected above the reporting limit of 0.4 mg/L. TKN concentrations in the Malibu Lagoon and Creek sampling locations were detected above the reporting limit in all sampling locations, ranging from 2.8 mg/L at L-001, L-003, and L-006 to 3.8 mg/L at L-004.

6.3.4 Total Phosphorous

Total phosphorus was detected in all surface water samples collected at the near shore sampling locations during the Third Quarter 2018 sampling event, ranging from 0.039 mg/L at N-004 to 0.080 mg/L N-003. Total phosphorus was also detected above the reporting limit in all the Malibu Lagoon and Creek sampling locations, ranging from 0.353 mg/L at L-003 to 0.491 mg/L at L-001.

6.3.5 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA procedures per method requirements. Any exceedances are

1 For fecal coliform results that were below 2.0 MPN/100mL, a value of half of the lower detection limit (1.0 MPN/100mL) was used to calculate the average.

indicated in the Case Narrative of the analytical laboratory report. The Notes column of the analytical reports also have the QC flags; definitions for the QC flags are below the analytical tables.

6.4 Groundwater Analytical Laboratory Analysis

Groundwater samples collected during the third quarter of 2018 were analyzed by Enthalpy. The laboratory analytical results from the monitoring event include constituents listed in Table 4. Laboratory reports are included as Appendix B of this report.

6.4.1 Total Coliform

During the third quarter 2018 monitoring event, total coliform concentrations in groundwater wells ranged from less than 2.0 MPN/100 mL in six wells to greater than 4,800 MPN/100 mL at SMBRP-9 with an average concentration of 410 MPN/100 mL[2].

6.4.2 Fecal Coliform

Fecal coliform concentrations were not detected above the reporting limit of 2.0 MPN/100 mL in any groundwater well, with the exception of SMBRP-7B (58 MPN/100 mL).

6.4.3 Nitrogen

Nitrate as Nitrogen

During the third quarter 2018 monitoring event, nitrate as nitrogen ranged from less than 0.1 mg/L at six wells to 17.7 mg/L at SMBRP-9 with an average concentration of 3.65 mg/L. Groundwater wells SMBRP-11 and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 14.5 mg/L and 17.7 mg/L, respectively.

Other forms of Nitrogen

During the third quarter 2018 monitoring event, nitrite as nitrogen was not detected above the reporting limit of 0.1 mg/L. Ammonia (as nitrogen) concentrations detected ranged from 0.222 mg/L to 4.99 mg/L.

Organic nitrogen concentrations were detected above the reporting limit of 0.5 mg/L in two groundwater monitoring wells, ranging in concentration from 0.7 mg/L in SMBRP-11 to 1.20 mg/L in MCWP-MW04S. TKN concentrations ranged from less than 0.5 mg/L at seven groundwater monitoring wells to 5.40 mg/L at SMBRP-12 with an average concentration of 0.922 mg/L.[3]

6.4.4 Total Phosphorous

During the third quarter 2018 monitoring event, total phosphorus concentrations in groundwater samples analyzed ranged from 0.097 mg/L at SMBRP-11 to 4.35 mg/L at LAMW-5S with an average concentration of 0.63 mg/L.

[2] For total coliform results that were below 2.0 MPN/100mL, a value of half of the lower detection limit (1.0 MPN/100mL) was used to calculate the average. The upper detection limit value (4,800 MPN/100mL) was used for results that exceeded the upper limit to calculate the average coliform concentrations.

[3] For TKN results that were below the reporting limit, a value half of the reporting limit was used to calculate the average.

6.4.5 Total Dissolved Solids

Total dissolved solids (TDS) concentrations in groundwater samples analyzed during the third quarter of 2018 ranged from 588 mg/L at LAMW-5S to 6,530 mg/L at MBCMW-04S with an average concentration of 2,377 mg/L.

6.4.6 Analytical Laboratory QA/QC

Enthalpy performed QA/QC measures including the recovery of surrogates. Enthalpy followed all QA procedures per method requirements. Any exceedances are indicated in the Case Narrative of the analytical laboratory report. The Notes column of the analytical reports also has the QC flags; definitions for the QC flags are below the analytical tables.

7 Scheduled Activities for the Fourth Quarter of 2018

The following activities will be completed during the Fourth Quarter of 2018:

- Prepare and submit the Third Quarter 2018 Groundwater and Surface Water Monitoring Report to the LARWQCB.
- Rincon will collect and analyze groundwater and surface water samples for MRP compliance (Task II)
- Rincon will measure depth to water in the groundwater monitoring wells in October, November, and December (Task V).

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Groundwater elevations generally decreased in all shallow groundwater monitoring wells during the third quarter of 2018. Deep groundwater monitoring well elevations decreased between July and August 2018 and generally increased between August and September 2018. At Winter Canyon, monitoring wells LAMW-5S and SMBRP-11 remained relatively static. Shallow groundwater generally flows southeast to south, towards the coastline.

8.2 Surface Water Quality

When comparing coliform bacteria results from the Third Quarter 2018 surface water monitoring event to past quarters, similar low detections of total and fecal coliform were observed at the surface water sampling locations. Only one detection of fecal coliform was observed at the near shore sampling locations (N-003). At the Malibu Lagoon and Creek sampling locations, a general

decrease in fecal coliform was observed when comparing to the second quarter of 2018; only one increase of fecal coliform was observed, where L-006 increased from 7.8 MPN/100mL to 28 MPN/100mL. Additionally, coliform concentrations decreased significantly at L-005, where total and fecal coliform concentrations decreased from greater than 1,600 MPN/100mL to 100 MPN/100mL and less than 2 MPN/100mL, respectively.

Concentrations of all types of nitrogen in surface water samples collected at the near shore sampling locations were below the respective reporting limits. In Malibu Lagoon and Creek, however, low concentrations of organic nitrogen and TKN were detected at all sampling locations.

8.3 Groundwater Quality

A total of fifteen groundwater monitoring wells were sampled during the third quarter of 2018 as part of the WDR/MRP, SNMP, and MOU monitoring programs (MBCMW-9 was dry at the time of sampling). Total coliform concentrations in groundwater wells ranged from less than 2 MPN/100mL in six groundwater monitoring wells (an increase from four during the second quarter of 2018). However, total coliform concentrations increased in two locations. SMBRP-9 increased from 110 MPN/100mL (the previous quarter's maximum concentration) to greater than 4,800 MPN/100mL. Total coliform concentrations increased at MCWP-MW04 from 2 MPN/100mL to 660 MPN/100mL. Fecal coliform concentrations were not detected above the reporting limit of 2.0 MPN/100mL in any of the groundwater wells, with the exception of SMBRP-7B.

Nitrate as nitrogen concentrations were not detected above the reporting limit of 0.1 mg/L in six locations, which was an increase from zero locations during the second quarter of 2018. As in the previous quarter, groundwater wells SMBRP-11 and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 14.5 mg/L and 17.7 mg/L, respectively.

TDS concentrations in groundwater samples analyzed during the third quarter of 2018 ranged from 588 mg/L at LAMW-5S to 6,530 mg/L at MCWP-MW04S with an average concentration of 2,377 mg/L. TDS concentrations increased in ten of the groundwater monitoring wells when comparing concentrations to the second quarter of 2018.

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 particular 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 similar to those sampled.

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RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	8/24/2015	11.47	N/A	-
C-1	9/21/2015	11.47	N/A	-
C-1	10/20/2015	11.47	N/A	-
C-1	11/16/2015	11.47	5.07	6.40
C-1	12/14/2015	11.47	4.12	7.35
C-1	1/14/2016	11.47	6.65	4.82
C-1	2/16/2016	11.47	6.65	4.82
C-1	3/14/2016	11.47	6.80	4.67
C-1	4/25/2016	11.47	5.72	5.75
C-1	5/16/2016	11.47	4.59	6.88
C-1	6/17/2016	11.47	4.72	6.75
C-1	7/20/2016	11.47	5.32	6.15
C-1	8/20/2016	11.47	5.42	6.05
C-1	9/19/2016	11.47	5.47	6.00
C-1	10/21/2016	11.47	5.64	5.83
C-1	11/18/2016	11.47	4.71	6.76
C-1	12/19/2016	11.47	6.75	4.72
C-1	1/17/2017	11.47	6.89	4.58
C-1	2/24/2017	11.47	7.28	4.19
C-1	3/27/2017	11.47	6.66	4.81
C-1	4/17/2017	11.47	7.32	4.15
C-1	5/22/2017	11.47	6.74	4.73
C-1	6/20/2017	11.47	4.49	6.98
C-1	7/28/2017	11.47	4.51	6.96
C-1	8/25/2017	11.47	4.61	6.86
C-1	9/11/2017	11.47	4.96	6.51
C-1	10/16/2017	11.47	5.13	6.34
C-1	11/15/2017	11.47	5.32	6.15
C-1	12/11/2017	11.47	7.70	3.77
C-1	1/22/2018	11.47	6.63	4.84
C-1	2/14/2018	11.47	6.42	5.05
C-1	3/19/2018	11.47	6.86	4.61
C-1	4/23/2018	11.47	6.10	5.37
C-1	5/10/2018	11.47	4.98	6.49
C-1	6/19/2018	11.47	4.05	7.42
C-1	7/10/2018	11.47	4.59	6.88
C-1	8/20/2018	11.47	5.04	6.43
C-1	9/17/2018	11.47	5.20	6.27

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-2	8/24/2015	11.19	5.11	6.08
C-2	9/21/2015	11.19	4.92	6.27
C-2	10/20/2015	11.19	5.18	6.01
C-2	11/16/2015	11.19	4.96	6.23
C-2	12/14/2015	11.19	3.93	7.26
C-2	1/14/2016	11.19	6.44	4.75
C-2	2/16/2016	11.19	6.34	4.85
C-2	3/14/2016	11.19	6.50	4.69
C-2	4/25/2016	11.19	5.54	5.65
C-2	5/16/2016	11.19	4.49	6.70
C-2	6/17/2016	11.19	4.62	6.57
C-2	7/20/2016	11.19	5.16	6.03
C-2	8/20/2016	11.19	5.25	5.94
C-2	9/19/2016	11.19	5.21	5.98
C-2	10/21/2016	11.19	5.46	5.73
C-2	11/18/2016	11.19	4.48	6.71
C-2	12/19/2016	11.19	6.74	4.45
C-2	1/17/2017	11.19	6.51	4.68
C-2	2/24/2017	11.19	6.84	4.35
C-2	3/27/2017	11.19	6.55	4.64
C-2	4/17/2017	11.19	7.05	4.14
C-2	5/22/2017	11.19	6.54	4.65
C-2	6/20/2017	11.19	3.81	7.38
C-2	7/28/2017	11.19	4.37	6.82
C-2	8/25/2017	11.19	4.57	6.62
C-2	9/11/2017	11.19	4.86	6.33
C-2	10/16/2017	11.19	4.95	6.24
C-2	11/15/2017	11.19	5.04	6.15
C-2	12/11/2017	11.19	7.46	3.73
C-2	1/22/2018	11.19	6.68	4.51
C-2	2/14/2018	11.19	6.29	4.90
C-2	3/19/2018	11.19	6.57	4.62
C-2	4/23/2018	11.19	6.01	5.18
C-2	5/10/2018	11.19	4.84	6.35
C-2	6/19/2018	11.19	3.91	7.28
C-2	7/10/2018	11.19	4.50	6.69
C-2	8/20/2018	11.19	4.91	6.28
C-2	9/17/2018	11.19	5.06	6.13

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPE	8/24/2015	12.94	5.76	7.18
CCPE	9/21/2015	12.94	5.61	7.33
CCPE	10/20/2015	12.94	5.87	7.07
CCPE	11/16/2015	12.94	5.79	7.15
CCPE	12/14/2015	12.94	4.52	8.42
CCPE	1/14/2016	12.94	7.95	4.99
CCPE	2/16/2016	12.94	8.27	4.67
CCPE	3/14/2016	12.94	8.35	4.59
CCPE	4/25/2016	12.94	7.13	5.81
CCPE	5/16/2016	12.94	5.72	7.22
CCPE	6/17/2016	12.94	6.54	6.40
CCPE	7/20/2016	12.94	6.09	6.85
CCPE	8/20/2016	12.94	6.43	6.51
CCPE	9/19/2016	12.94	6.80	6.14
CCPE	10/21/2016	12.94	6.67	6.27
CCPE	11/18/2016	12.94	5.61	7.33
CCPE	12/19/2016	12.94	11.63	1.31
CCPE	1/17/2017	12.94	8.38	4.56
CCPE	2/24/2017	12.94	8.67	4.27
CCPE	3/27/2017	12.94	8.21	4.73
CCPE	4/17/2017	12.94	8.90	4.04
CCPE	5/22/2017	12.94	8.25	4.69
CCPE	6/20/2017	12.94	5.73	7.21
CCPE	7/28/2017	12.94	5.47	7.47
CCPE	8/25/2017	12.94	5.68	7.26
CCPE	9/11/2017	12.94	6.00	6.94
CCPE	10/16/2017	12.94	5.60	7.34
CCPE	11/15/2017	12.94	5.82	7.12
CCPE	12/11/2017	12.94	8.70	4.24
CCPE	1/22/2018	12.94	10.67	2.27
CCPE	2/14/2018	12.94	7.50	5.44
CCPE	3/19/2018	12.94	8.06	4.88
CCPE	4/23/2018	12.94	6.24	6.70
CCPE	5/10/2018	12.94	5.86	7.08
CCPE	6/19/2018	12.94	4.96	7.98
CCPE	7/10/2018	12.94	5.40	7.54
CCPE	8/20/2018	12.94	5.45	7.49
CCPE	9/17/2018	12.94	5.49	7.45

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPNE	8/24/2015	13.68	6.44	7.24
CCPNE	9/21/2015	13.68	6.27	7.41
CCPNE	10/20/2015	13.68	6.54	7.14
CCPNE	11/16/2015	13.68	6.74	6.94
CCPNE	12/14/2015	13.68	5.28	8.40
CCPNE	1/14/2016	13.68	8.51	5.17
CCPNE	2/16/2016	13.68	8.65	5.03
CCPNE	3/14/2016	13.68	8.65	5.03
CCPNE	4/25/2016	13.68	7.79	5.89
CCPNE	5/16/2016	13.68	6.39	7.29
CCPNE	6/17/2016	13.68	5.83	7.85
CCPNE	7/20/2016	13.68	6.79	6.89
CCPNE	8/20/2016	13.68	7.16	6.52
CCPNE	9/19/2016	13.68	7.52	6.16
CCPNE	10/21/2016	13.68	7.40	6.28
CCPNE	11/18/2016	13.68	6.32	7.36
CCPNE	12/19/2016	13.68	8.82	4.86
CCPNE	1/17/2017	13.68	8.66	5.02
CCPNE	2/24/2017	13.68	8.80	4.88
CCPNE	3/27/2017	13.68	9.37	4.31
CCPNE	4/17/2017	13.68	9.16	4.52
CCPNE	5/22/2017	13.68	8.97	4.71
CCPNE	6/20/2017	13.68	6.63	7.05
CCPNE	7/28/2017	13.68	6.26	7.42
CCPNE	8/25/2017	13.68	6.51	7.17
CCPNE	9/11/2017	13.68	6.81	6.87
CCPNE	10/16/2017	13.68	6.58	7.10
CCPNE	11/15/2017	13.68	6.52	7.16
CCPNE	12/11/2017	13.68	9.14	4.54
CCPNE	1/22/2018	13.68	8.53	5.15
CCPNE	2/14/2018	13.68	8.13	5.55
CCPNE	3/20/2018	13.68	8.52	5.16
CCPNE	4/23/2018	13.68	7.87	5.81
CCPNE	5/10/2018	13.68	6.54	7.14
CCPNE	6/19/2018	13.68	5.69	7.99
CCPNE	7/10/2018	13.68	6.10	7.58
CCPNE	8/20/2018	13.68	6.13	7.55
CCPNE	9/17/2018	13.68	6.17	7.51

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	8/24/2015	13.67	6.29	7.38
CCPSW	9/21/2015	13.67	6.09	7.58
CCPSW	10/20/2015	13.67	6.35	7.32
CCPSW	11/16/2015	13.67	6.24	7.43
CCPSW	12/14/2015	13.67	5.27	8.40
CCPSW	1/14/2016	13.67	8.22	5.45
CCPSW	2/16/2016	13.67	8.11	5.56
CCPSW	3/14/2016	13.67	8.05	5.62
CCPSW	4/25/2016	13.67	7.50	6.17
CCPSW	5/16/2016	13.67	6.18	7.49
CCPSW	6/17/2016	13.67	6.26	7.41
CCPSW	7/20/2016	13.67	6.60	7.07
CCPSW	8/20/2016	13.67	6.92	6.75
CCPSW	9/19/2016	13.67	7.28	6.39
CCPSW	10/21/2016	13.67	7.17	6.50
CCPSW	11/18/2016	13.67	6.22	7.45
CCPSW	12/19/2016	13.67	8.34	5.33
CCPSW	1/17/2017	13.67	8.03	5.64
CCPSW	2/24/2017	13.67	8.27	5.40
CCPSW	3/27/2017	13.67	9.32	4.35
CCPSW	4/17/2017	13.67	8.64	5.03
CCPSW	5/22/2017	13.67	8.86	4.81
CCPSW	6/20/2017	13.67	6.59	7.08
CCPSW	7/28/2017	13.67	6.17	7.50
CCPSW	8/25/2017	13.67	6.47	7.20
CCPSW	9/11/2017	13.67	6.76	6.91
CCPSW	10/16/2017	13.67	6.38	7.29
CCPSW	11/15/2017	13.67	6.36	7.31
CCPSW	12/11/2017	13.67	8.65	5.02
CCPSW	1/22/2018	13.67	8.15	5.52
CCPSW	2/14/2018	13.67	8.05	5.62
CCPSW	3/19/2018	13.67	8.15	5.52
CCPSW	4/23/2018	13.67	7.68	5.99
CCPSW	5/10/2018	13.67	6.36	7.31
CCPSW	6/19/2018	13.67	5.51	8.16
CCPSW	7/10/2018	13.67	6.01	7.66
CCPSW	8/20/2018	13.67	6.01	7.66
CCPSW	9/17/2018	13.67	6.09	7.58

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCW-4	8/24/2015	15.77	6.50	9.27
CCW-4	9/21/2015	15.77	6.71	9.06
CCW-4	10/20/2015	15.77	6.90	8.87
CCW-4	11/16/2015	15.77	7.02	8.75
CCW-4	12/14/2015	15.77	7.05	8.72
CCW-4	1/14/2016	15.77	6.19	9.58
CCW-4	2/16/2016	15.77	6.17	9.60
CCW-4	3/14/2016	15.77	5.72	10.05
CCW-4	4/25/2016	15.77	5.28	10.49
CCW-4	5/16/2016	15.77	6.45	9.32
CCW-4	6/17/2016	15.77	6.70	9.07
CCW-4	7/20/2016	15.77	7.07	8.70
CCW-4	8/20/2016	15.77	7.33	8.44
CCW-4	9/19/2016	15.77	7.56	8.21
CCW-4	10/21/2016	15.77	7.68	8.09
CCW-4	11/18/2016	15.77	7.84	7.93
CCW-4	12/19/2016	15.77	7.09	8.68
CCW-4	1/17/2017	15.77	4.97	10.80
CCW-4	2/24/2017	15.77	2.04	13.73
CCW-4	3/27/2017	15.77	2.92	12.85
CCW-4	4/17/2017	15.77	5.30	10.47
CCW-4	5/22/2017	15.77	5.72	10.05
CCW-4	6/20/2017	15.77	6.27	9.50
CCW-4	7/28/2017	15.77	7.30	8.47
CCW-4	8/25/2017	15.77	7.74	8.03
CCW-4	9/11/2017	15.77	7.76	8.01
CCW-4	10/16/2017	15.77	6.99	8.78
CCW-4	11/15/2017	15.77	6.43	9.34
CCW-4	12/11/2017	15.77	6.36	9.41
CCW-4	1/22/2018	15.77	6.04	9.73
CCW-4	2/14/2018	15.77	6.04	9.73
CCW-4	3/19/2018	15.77	5.45	10.32
CCW-4	4/23/2018	15.77	5.40	10.37
CCW-4	5/10/2018	15.77	5.44	10.33
CCW-4	6/19/2018	15.77	5.67	10.10
CCW-4	7/10/2018	15.77	6.21	9.56
CCW-4	8/20/2018	15.77	6.65	9.12
CCW-4	9/17/2018	15.77	6.83	8.94

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH6-M1	8/24/2015	-	28.92	-
GH6-M1	9/21/2015	-	29.11	-
GH6-M1	10/20/2015	-	29.24	-
GH6-M1	11/16/2015	-	29.32	-
GH6-M1	12/14/2015	-	29.43	-
GH6-M1	1/14/2016	-	29.43	-
GH6-M1	2/16/2016	-	29.56	-
GH6-M1	3/14/2016	-	29.44	-
GH6-M1	4/25/2016	-	29.46	-
GH6-M1	5/16/2016	-	29.35	-
GH6-M1	6/17/2016	-	29.20	-
GH6-M1	7/20/2016	-	29.49	-
GH6-M1	8/20/2016	-	29.58	-
GH6-M1	9/19/2016	-	29.69	-
GH6-M1	10/21/2016	-	29.85	-
GH6-M1	11/18/2016	-	29.95	-
GH6-M1	12/19/2016	-	30.05	-
GH6-M1	1/17/2017	-	29.90	-
GH6-M1	2/24/2017	-	28.74	-
GH6-M1	3/27/2017	-	27.63	-
GH6-M1	4/17/2017	-	26.91	-
GH6-M1	5/22/2017	-	26.16	-
GH6-M1	6/20/2017	-	26.13	-
GH6-M1	7/28/2017	-	26.36	-
GH6-M1	8/25/2017	-	26.61	-
GH6-M1	9/11/2017	-	26.81	-
GH6-M1	10/16/2017	-	27.13	-
GH6-M1	11/15/2017	-	27.30	-
GH6-M1	12/11/2017	-	27.51	-
GH6-M1	1/22/2018	-	27.83	-
GH6-M1	2/14/2018	-	27.98	-
GH6-M1	3/19/2018	-	28.10	-
GH6-M1	4/23/2018	-	27.76	-
GH6-M1	5/10/2018	-	27.65	-
GH6-M1	6/19/2018	-	27.72	-
GH6-M1	7/10/2018	-	27.80	-
GH6-M1	8/20/2018	-	27.94	-
GH6-M1	9/17/2018	-	28.16	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH8-M3	8/24/2015	-	28.37	-
GH8-M3	9/21/2015	-	28.54	-
GH8-M3	10/20/2015	-	28.69	-
GH8-M3	11/16/2015	-	28.75	-
GH8-M3	12/14/2015	-	28.78	-
GH8-M3	1/14/2016	-	28.92	-
GH8-M3	2/16/2016	-	28.96	-
GH8-M3	3/14/2016	-	28.79	-
GH8-M3	4/25/2016	-	28.78	-
GH8-M3	5/16/2016	-	28.63	-
GH8-M3	6/17/2016	-	28.67	-
GH8-M3	7/20/2016	-	28.90	-
GH8-M3	8/20/2016	-	29.08	-
GH8-M3	9/19/2016	-	29.19	-
GH8-M3	10/21/2016	-	29.36	-
GH8-M3	11/18/2016	-	29.36	-
GH8-M3	12/19/2016	-	29.44	-
GH8-M3	1/17/2017	-	29.27	-
GH8-M3	2/24/2017	-	27.80	-
GH8-M3	3/27/2017	-	26.22	-
GH8-M3	4/17/2017	-	25.44	-
GH8-M3	5/22/2017	-	25.13	-
GH8-M3	6/20/2017	-	25.38	-
GH8-M3	7/28/2017	-	25.84	-
GH8-M3	8/25/2017	-	26.13	-
GH8-M3	9/11/2017	-	26.33	-
GH8-M3	10/16/2017	-	26.63	-
GH8-M3	11/15/2017	-	26.77	-
GH8-M3	12/11/2017	-	27.13	-
GH8-M3	1/22/2018	-	27.44	-
GH8-M3	2/14/2018	-	27.55	-
GH8-M3	3/19/2018	-	27.68	-
GH8-M3	4/23/2018	-	27.14	-
GH8-M3	5/10/2018	-	27.08	-
GH8-M3	6/19/2018	-	27.13	-
GH8-M3	7/10/2018	-	27.20	-
GH8-M3	8/20/2018	-	26.72	-
GH8-M3	9/17/2018	-	27.76	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH9-M4	8/24/2015	-	30.31	-
GH9-M4	9/21/2015	-	30.54	-
GH9-M4	10/20/2015	-	30.66	-
GH9-M4	11/16/2015	-	30.75	-
GH9-M4	12/14/2015	-	30.86	-
GH9-M4	1/14/2016	-	34.54	-
GH9-M4	2/16/2016	-	31.12	-
GH9-M4	3/14/2016	-	31.07	-
GH9-M4	4/25/2016	-	34.32	-
GH9-M4	5/16/2016	-	32.80	-
GH9-M4	6/17/2016	-	30.56	-
GH9-M4	7/20/2016	-	30.90	-
GH9-M4	8/20/2016	-	31.09	-
GH9-M4	9/19/2016	-	31.18	-
GH9-M4	10/21/2016	-	31.29	-
GH9-M4	11/18/2016	-	30.87	-
GH9-M4	12/19/2016	-	31.11	-
GH9-M4	1/17/2017	-	30.79	-
GH9-M4	2/24/2017	-	30.53	-
GH9-M4	3/27/2017	-	24.94	-
GH9-M4	4/17/2017	-	24.79	-
GH9-M4	5/22/2017	-	29.08	-
GH9-M4	6/20/2017	-	26.30	-
GH9-M4	7/28/2017	-	27.14	-
GH9-M4	8/25/2017	-	27.57	-
GH9-M4	9/11/2017	-	27.67	-
GH9-M4	10/16/2017	-	27.92	-
GH9-M4	11/15/2017	-	28.27	-
GH9-M4	12/11/2017	-	28.70	-
GH9-M4	1/22/2018	-	29.23	-
GH9-M4	2/14/2018	-	27.73	-
GH9-M4	3/19/2018	-	29.62	-
GH9-M4	4/23/2018	-	29.12	-
GH9-M4	5/10/2018	-	29.07	-
GH9-M4	6/19/2018	-	29.09	-
GH9-M4	7/10/2018	-	29.20	-
GH9-M4	8/20/2018	-	29.50	-
GH9-M4	9/17/2018	-	buried	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M6-1	8/24/2015	-	6.61	-
M6-1	9/21/2015	-	6.43	-
M6-1	10/20/2015	-	6.72	-
M6-1	11/16/2015	-	6.68	-
M6-1	12/14/2015	-	6.35	-
M6-1	1/14/2016	-	6.63	-
M6-1	2/16/2016	-	7.03	-
M6-1	3/14/2016	-	6.45	-
M6-1	4/25/2016	-	7.15	-
M6-1	5/16/2016	-	6.85	-
M6-1	6/17/2016	-	7.04	-
M6-1	7/20/2016	-	7.34	-
M6-1	8/20/2016	-	7.61	-
M6-1	9/19/2016	-	7.87	-
M6-1	10/21/2016	-	7.83	-
M6-1	11/18/2016	-	7.19	-
M6-1	12/19/2016	-	7.26	-
M6-1	1/17/2017	-	5.81	-
M6-1	2/24/2017	-	4.96	-
M6-1	3/27/2017	-	7.17	-
M6-1	4/17/2017	-	6.77	-
M6-1	5/22/2017	-	7.74	-
M6-1	6/20/2017	-	7.14	-
M6-1	7/28/2017	-	6.97	-
M6-1	8/25/2017	-	7.14	-
M6-1	9/11/2017	-	7.18	-
M6-1	10/16/2017	-	6.71	-
M6-1	11/15/2017	-	6.57	-
M6-1	12/11/2017	-	7.20	-
M6-1	1/22/2018	-	6.79	-
M6-1	2/14/2018	-	6.93	-
M6-1	3/19/2018	-	6.36	-
M6-1	4/23/2018	-	6.70	-
M6-1	5/10/2018	-	6.20	-
M6-1	6/19/2018	-	5.03	-
M6-1	7/10/2018	-	6.43	-
M6-1	8/20/2018	-	6.53	-
M6-1	9/17/2018	-	6.60	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M6-2	8/24/2015	-	5.76	-
M6-2	9/21/2015	-	5.75	-
M6-2	10/20/2015	-	6.08	-
M6-2	11/16/2015	-	6.17	-
M6-2	12/14/2015	-	6.12	-
M6-2	1/14/2016	-	4.69	-
M6-2	2/16/2016	-	5.46	-
M6-2	3/14/2016	-	4.27	-
M6-2	4/25/2016	-	5.51	-
M6-2	5/16/2016	-	5.74	-
M6-2	6/17/2016	-	5.94	-
M6-2	7/20/2016	-	6.21	-
M6-2	8/20/2016	-	6.42	-
M6-2	9/19/2016	-	6.61	-
M6-2	10/21/2016	-	6.82	-
M6-2	11/18/2016	-	6.96	-
M6-2	12/19/2016	-	5.93	-
M6-2	1/17/2017	-	3.05	-
M6-2	2/24/2017	-	1.75	-
M6-2	3/27/2017	-	3.87	-
M6-2	4/17/2017	-	4.80	-
M6-2	5/22/2017	-	5.98	-
M6-2	6/20/2017	-	6.45	-
M6-2	7/28/2017	-	6.55	-
M6-2	8/25/2017	-	6.58	-
M6-2	9/11/2017	-	6.30	-
M6-2	10/16/2017	-	5.45	-
M6-2	11/15/2017	-	5.27	-
M6-2	12/11/2017	-	4.41	-
M6-2	1/22/2018	-	4.98	-
M6-2	2/14/2018	-	5.40	-
M6-2	3/19/2018	-	4.26	-
M6-2	4/23/2018	-	4.65	-
M6-2	5/10/2018	-	4.56	-
M6-2	6/19/2018	-	6.20	-
M6-2	7/10/2018	-	5.28	-
M6-2	8/20/2018	-	5.38	-
M6-2	9/17/2018	-	5.50	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-1	8/24/2015	-	8.09	-
M7-1	9/21/2015	-	8.12	-
M7-1	10/20/2015	-	8.40	-
M7-1	11/16/2015	-	8.48	-
M7-1	12/14/2015	-	8.30	-
M7-1	1/14/2016	-	8.04	-
M7-1	2/16/2016	-	8.36	-
M7-1	3/14/2016	-	7.83	-
M7-1	4/25/2016	-	8.46	-
M7-1	5/16/2016	-	8.17	-
M7-1	6/17/2016	-	8.22	-
M7-1	7/20/2016	-	8.54	-
M7-1	8/20/2016	-	8.74	-
M7-1	9/19/2016	-	8.88	-
M7-1	10/21/2016	-	9.01	-
M7-1	11/18/2016	-	8.98	-
M7-1	12/19/2016	-	8.68	-
M7-1	1/17/2017	-	6.94	-
M7-1	2/24/2017	-	5.13	-
M7-1	3/27/2017	-	6.71	-
M7-1	4/17/2017	-	7.52	-
M7-1	5/22/2017	-	8.28	-
M7-1	6/20/2017	-	8.22	-
M7-1	7/28/2017	-	8.37	-
M7-1	8/25/2017	-	8.61	-
M7-1	9/11/2017	-	8.76	-
M7-1	10/16/2017	-	8.14	-
M7-1	11/15/2017	-	7.95	-
M7-1	12/11/2017	-	8.25	-
M7-1	1/22/2018	-	7.95	-
M7-1	2/14/2018	-	7.96	-
M7-1	3/19/2018	-	7.18	-
M7-1	4/23/2018	-	7.41	-
M7-1	5/10/2018	-	7.30	-
M7-1	6/19/2018	-	7.37	-
M7-1	7/10/2018	-	7.50	-
M7-1	8/20/2018	-	7.88	-
M7-1	9/17/2018	-	8.17	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-2	8/24/2015	-	7.78	-
M7-2	9/21/2015	-	7.91	-
M7-2	10/20/2015	-	8.15	-
M7-2	11/16/2015	-	8.27	-
M7-2	12/14/2015	-	8.28	-
M7-2	1/14/2016	-	7.34	-
M7-2	2/16/2016	-	7.74	-
M7-2	3/14/2016	-	7.03	-
M7-2	4/25/2016	-	7.84	-
M7-2	5/16/2016	-	7.70	-
M7-2	6/17/2016	-	7.77	-
M7-2	7/20/2016	-	8.05	-
M7-2	8/20/2016	-	8.26	-
M7-2	9/19/2016	-	8.42	-
M7-2	10/21/2016	-	8.64	-
M7-2	11/18/2016	-	8.88	-
M7-2	12/19/2016	-	8.21	-
M7-2	1/17/2017	-	5.91	-
M7-2	2/24/2017	-	3.56	-
M7-2	3/27/2017	-	5.29	-
M7-2	4/17/2017	-	6.88	-
M7-2	5/22/2017	-	7.73	-
M7-2	6/20/2017	-	8.07	-
M7-2	7/28/2017	-	8.28	-
M7-2	8/25/2017	-	8.58	-
M7-2	9/11/2017	-	7.45	-
M7-2	10/16/2017	-	7.64	-
M7-2	11/15/2017	-	7.58	-
M7-2	12/11/2017	-	7.68	-
M7-2	1/22/2018	-	7.43	-
M7-2	2/14/2018	-	7.47	-
M7-2	3/19/2018	-	6.40	-
M7-2	4/23/2018	-	6.75	-
M7-2	5/10/2018	-	6.64	-
M7-2	6/19/2018	-	6.98	-
M7-2	7/10/2018	-	7.06	-
M7-2	8/20/2018	-	7.57	-
M7-2	9/17/2018	-	7.88	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-7	8/24/2015	16.64	11.26	5.38
MBCMW-7	9/21/2015	16.64	10.94	5.70
MBCMW-7	10/20/2015	16.64	11.09	5.55
MBCMW-7	11/16/2015	16.64	11.11	5.53
MBCMW-7	12/14/2015	16.64	10.27	6.37
MBCMW-7	1/14/2016	16.64	11.39	5.25
MBCMW-7	2/16/2016	16.64	11.75	4.89
MBCMW-7	3/14/2016	16.64	11.55	5.09
MBCMW-7	4/25/2016	16.64	11.44	5.20
MBCMW-7	5/16/2016	16.64	11.22	5.42
MBCMW-7	6/17/2016	16.64	11.71	4.93
MBCMW-7	7/20/2016	16.64	12.12	4.52
MBCMW-7	8/20/2016	16.64	12.27	4.37
MBCMW-7	9/19/2016	16.64	12.65	3.99
MBCMW-7	10/21/2016	16.64	12.32	4.32
MBCMW-7	11/18/2016	16.64	10.31	6.33
MBCMW-7	12/19/2016	16.64	11.65	4.99
MBCMW-7	1/17/2017	16.64	11.29	5.35
MBCMW-7	2/24/2017	16.64	10.96	5.68
MBCMW-7	3/27/2017	16.64	12.84	3.80
MBCMW-7	4/17/2017	16.64	11.89	4.75
MBCMW-7	5/22/2017	16.64	12.56	4.08
MBCMW-7	6/20/2017	16.64	11.57	5.07
MBCMW-7	7/28/2017	16.64	11.35	5.29
MBCMW-7	8/25/2017	16.64	11.61	5.03
MBCMW-7	9/11/2017	16.64	9.28	7.36
MBCMW-7	10/16/2017	16.64	11.28	5.36
MBCMW-7	11/15/2017	16.64	11.12	5.52
MBCMW-7	12/11/2017	16.64	12.03	4.61
MBCMW-7	1/22/2018	16.64	11.74	4.90
MBCMW-7	2/14/2018	16.64	11.39	5.25
MBCMW-7	3/19/2018	16.64	11.45	5.19
MBCMW-7	4/23/2018	16.64	11.51	5.13
MBCMW-7	5/10/2018	16.64	10.93	5.71
MBCMW-7	6/19/2018	16.64	10.76	5.88
MBCMW-7	7/10/2018	16.64	11.09	5.55
MBCMW-7	8/20/2018	16.64	11.11	5.53
MBCMW-7	9/17/2018	16.64	11.02	5.62

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-8	8/24/2015	16.53	9.11	7.42
MBCMW-8	9/21/2015	16.53	9.13	7.40
MBCMW-8	10/20/2015	16.53	9.44	7.09
MBCMW-8	11/16/2015	16.53	9.58	6.95
MBCMW-8	12/14/2015	16.53	9.59	6.94
MBCMW-8	1/14/2016	16.53	8.05	8.48
MBCMW-8	2/16/2016	16.53	8.66	7.87
MBCMW-8	3/14/2016	16.53	7.36	9.17
MBCMW-8	4/25/2016	16.53	8.54	7.99
MBCMW-8	5/16/2016	16.53	8.89	7.64
MBCMW-8	6/17/2016	16.53	9.16	7.37
MBCMW-8	7/20/2016	16.53	9.46	7.07
MBCMW-8	8/20/2016	16.53	9.73	6.80
MBCMW-8	9/19/2016	16.53	9.99	6.54
MBCMW-8	10/21/2016	16.53	10.02	6.51
MBCMW-8	11/18/2016	16.53	10.11	6.42
MBCMW-8	12/19/2016	16.53	9.61	6.92
MBCMW-8	1/17/2017	16.53	7.03	9.50
MBCMW-8	2/24/2017	16.53	4.41	12.12
MBCMW-8	3/27/2017	16.53	6.13	10.40
MBCMW-8	4/17/2017	16.53	7.45	9.08
MBCMW-8	5/22/2017	16.53	7.89	8.64
MBCMW-8	6/20/2017	16.53	8.82	7.71
MBCMW-8	7/28/2017	16.53	9.57	6.96
MBCMW-8	8/25/2017	16.53	9.76	6.77
MBCMW-8	9/11/2017	16.53	10.03	6.50
MBCMW-8	10/16/2017	16.53	8.07	8.46
MBCMW-8	11/15/2017	16.53	7.84	8.69
MBCMW-8	12/11/2017	16.53	8.51	8.02
MBCMW-8	1/22/2018	16.53	8.25	8.28
MBCMW-8	2/14/2018	16.53	8.61	7.92
MBCMW-8	3/19/2018	16.53	7.51	9.02
MBCMW-8	4/23/2018	16.53	7.51	9.02
MBCMW-8	5/10/2018	16.53	7.89	8.64
MBCMW-8	6/19/2018	16.53	8.40	8.13
MBCMW-8	7/10/2018	16.53	8.69	7.84
MBCMW-8	8/20/2018	16.53	8.93	7.60
MBCMW-8	9/17/2018	16.53	9.00	7.53

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-9	8/24/2015	17.71	8.70	9.01
MBCMW-9	9/21/2015	17.71	8.83	8.88
MBCMW-9	10/20/2015	17.71	9.00	8.71
MBCMW-9	11/16/2015	17.71	9.09	8.62
MBCMW-9	12/14/2015	17.71	9.09	8.62
MBCMW-9	1/14/2016	17.71	8.30	9.41
MBCMW-9	2/16/2016	17.71	8.06	9.65
MBCMW-9	3/14/2016	17.71	7.83	9.88
MBCMW-9	4/25/2016	17.71	8.21	9.50
MBCMW-9	5/16/2016	17.71	8.40	9.31
MBCMW-9	6/17/2016	17.71	8.64	9.07
MBCMW-9	7/20/2016	17.71	8.78	8.93
MBCMW-9	8/20/2016	17.71	8.80	8.91
MBCMW-9	9/19/2016	17.71	8.80	8.91
MBCMW-9	10/21/2016	17.71	9.29	8.42
MBCMW-9	11/18/2016	17.71	9.15	8.56
MBCMW-9	12/19/2016	17.71	8.75	8.96
MBCMW-9	1/17/2017	17.71	8.06	9.65
MBCMW-9	2/24/2017	17.71	5.11	12.60
MBCMW-9	3/27/2017	17.71	5.44	12.27
MBCMW-9	4/17/2017	17.71	5.99	11.72
MBCMW-9	5/22/2017	17.71	6.28	11.43
MBCMW-9	6/20/2017	17.71	6.76	10.95
MBCMW-9	7/28/2017	17.71	7.98	9.73
MBCMW-9	8/25/2017	17.71	8.31	9.40
MBCMW-9	9/11/2017	17.71	8.67	9.04
MBCMW-9	10/16/2017	17.71	7.83	9.88
MBCMW-9	11/15/2017	17.71	7.50	10.21
MBCMW-9	12/11/2017	17.71	7.73	9.98
MBCMW-9	1/22/2018	17.71	7.39	10.32
MBCMW-9	2/14/2018	17.71	9.03	8.68
MBCMW-9	3/19/2018	17.71	7.08	10.63
MBCMW-9	4/23/2018	17.71	9.20	8.51
MBCMW-9	5/10/2018	17.71	6.79	10.92
MBCMW-9	6/19/2018	17.71	7.70	10.01
MBCMW-9	7/10/2018	17.71	8.06	9.65
MBCMW-9	8/20/2018	17.71	8.40	9.31
MBCMW-9	9/17/2018	17.71	8.40	9.31

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	8/24/2015	17.74	8.63	9.11
MBCMW-10	9/21/2015	17.74	8.20	9.54
MBCMW-10	10/20/2015	17.74	8.40	9.34
MBCMW-10	11/16/2015	17.74	8.35	9.39
MBCMW-10	12/14/2015	17.74	7.34	10.40
MBCMW-10	1/14/2016	17.74	8.82	8.92
MBCMW-10	2/16/2016	17.74	9.34	8.40
MBCMW-10	3/14/2016	17.74	8.97	8.77
MBCMW-10	4/25/2016	17.74	9.22	8.52
MBCMW-10	5/16/2016	17.74	8.75	8.99
MBCMW-10	6/17/2016	17.74	8.58	9.16
MBCMW-10	7/20/2016	17.74	9.29	8.45
MBCMW-10	8/20/2016	17.74	9.52	8.22
MBCMW-10	9/19/2016	17.74	9.85	7.89
MBCMW-10	10/21/2016	17.74	9.67	8.07
MBCMW-10	11/18/2016	17.74	8.31	9.43
MBCMW-10	12/19/2016	17.74	8.97	8.77
MBCMW-10	1/17/2017	17.74	8.67	9.07
MBCMW-10	2/24/2017	17.74	8.55	9.19
MBCMW-10	3/27/2017	17.74	10.12	7.62
MBCMW-10	4/17/2017	17.74	9.43	8.31
MBCMW-10	5/22/2017	17.74	10.07	7.67
MBCMW-10	6/20/2017	17.74	8.87	8.87
MBCMW-10	7/28/2017	17.74	8.84	8.90
MBCMW-10	8/25/2017	17.74	8.92	8.82
MBCMW-10	9/11/2017	17.74	8.41	9.33
MBCMW-10	10/16/2017	17.74	8.38	9.36
MBCMW-10	11/15/2017	17.74	8.36	9.38
MBCMW-10	12/11/2017	17.74	9.70	8.04
MBCMW-10	1/22/2018	17.74	9.10	8.64
MBCMW-10	2/14/2018	17.74	7.70	10.04
MBCMW-10	3/19/2018	17.74	8.61	9.13
MBCMW-10	4/23/2018	17.74	6.79	10.95
MBCMW-10	5/10/2018	17.74	8.29	9.45
MBCMW-10	6/19/2018	17.74	8.34	9.40
MBCMW-10	7/10/2018	17.74	8.29	9.45
MBCMW-10	8/20/2018	17.74	8.45	9.29
MBCMW-10	9/17/2018	17.74	8.30	9.44

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	8/24/2015	15.29	7.55	7.74
MCWP-MW04S	9/21/2015	15.29	7.67	7.62
MCWP-MW04S	10/20/2015	15.29	7.85	7.44
MCWP-MW04S	11/16/2015	15.29	7.99	7.30
MCWP-MW04S	12/14/2015	15.29	8.06	7.23
MCWP-MW04S	1/14/2016	15.29	6.48	8.81
MCWP-MW04S	2/16/2016	15.29	7.08	8.21
MCWP-MW04S	3/14/2016	15.29	5.92	9.37
MCWP-MW04S	4/25/2016	15.29	7.10	8.19
MCWP-MW04S	5/16/2016	15.29	7.36	7.93
MCWP-MW04S	6/17/2016	15.29	7.64	7.65
MCWP-MW04S	7/20/2016	15.29	7.95	7.34
MCWP-MW04S	8/20/2016	15.29	8.18	7.11
MCWP-MW04S	9/19/2016	15.29	8.35	6.94
MCWP-MW04S	10/21/2016	15.29	8.88	6.41
MCWP-MW04S	11/18/2016	15.29	8.40	6.89
MCWP-MW04S	12/19/2016	15.29	8.67	6.62
MCWP-MW04S	1/17/2017	15.29	6.62	8.67
MCWP-MW04S	2/24/2017	15.29	3.34	11.95
MCWP-MW04S	3/27/2017	15.29	5.20	10.09
MCWP-MW04S	4/17/2017	15.29	6.19	9.10
MCWP-MW04S	5/22/2017	15.29	6.73	8.56
MCWP-MW04S	6/20/2017	15.29	7.41	7.88
MCWP-MW04S	7/28/2017	15.29	7.91	7.38
MCWP-MW04S	8/25/2017	15.29	8.08	7.21
MCWP-MW04S	9/11/2017	15.29	7.87	7.42
MCWP-MW04S	10/16/2017	15.29	6.74	8.55
MCWP-MW04S	11/15/2017	15.29	6.71	8.58
MCWP-MW04S	12/11/2017	15.29	7.15	8.14
MCWP-MW04S	1/22/2018	15.29	6.86	8.43
MCWP-MW04S	2/14/2018	15.29	7.32	7.97
MCWP-MW04S	3/19/2018	15.29	6.05	9.24
MCWP-MW04S	4/23/2018	15.29	6.05	9.24
MCWP-MW04S	5/10/2018	15.29	6.20	9.09
MCWP-MW04S	6/19/2018	15.29	6.95	8.34
MCWP-MW04S	7/10/2018	15.29	7.19	8.10
MCWP-MW04S	8/20/2018	15.29	7.28	8.01
MCWP-MW04S	9/17/2018	15.29	7.33	7.96

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW07S	8/24/2015	13.72	6.76	6.96
MCWP-MW07S	9/21/2015	13.72	7.13	6.59
MCWP-MW07S	10/20/2015	13.72	6.44	7.28
MCWP-MW07S	11/16/2015	13.72	6.74	6.98
MCWP-MW07S	12/14/2015	13.72	6.56	7.16
MCWP-MW07S	1/14/2016	13.72	6.19	7.53
MCWP-MW07S	2/16/2016	13.72	6.75	6.97
MCWP-MW07S	3/14/2016	13.72	5.85	7.87
MCWP-MW07S	4/25/2016	13.72	6.49	7.23
MCWP-MW07S	5/16/2016	13.72	6.73	6.99
MCWP-MW07S	6/17/2016	13.72	N/A	-
MCWP-MW07S	7/20/2016	13.72	6.18	7.54
MCWP-MW07S	8/20/2016	13.72	6.25	7.47
MCWP-MW07S	9/19/2016	13.72	6.48	7.24
MCWP-MW07S	10/21/2016	13.72	6.61	7.11
MCWP-MW07S	11/18/2016	13.72	6.70	7.02
MCWP-MW07S	12/19/2016	13.72	6.67	7.05
MCWP-MW07S	1/17/2017	13.72	6.11	7.61
MCWP-MW07S	2/24/2017	13.72	N/A	-
MCWP-MW07S	3/27/2017	13.72	N/A	-
MCWP-MW07S	4/17/2017	13.72	N/A	-
MCWP-MW07S	5/22/2017	13.72	N/A	-
MCWP-MW07S	6/20/2017	13.72	N/A	-
MCWP-MW07S	7/28/2017	13.72	5.79	7.93
MCWP-MW07S	8/25/2017	13.72	6.09	7.63
MCWP-MW07S	9/11/2017	13.72	6.02	7.70
MCWP-MW07S	10/16/2017	13.72	6.04	7.68
MCWP-MW07S	11/15/2017	13.72	6.50	7.22
MCWP-MW07S	12/11/2017	13.72	5.73	7.99
MCWP-MW07S	1/22/2018	13.72	5.92	7.80
MCWP-MW07S	2/14/2018	13.72	6.23	7.49
MCWP-MW07S	3/19/2018	13.72	6.05	7.67
MCWP-MW07S	4/23/2018	13.72	6.15	7.57
MCWP-MW07S	5/10/2018	13.72	6.23	7.49
MCWP-MW07S	6/19/2018	13.72	5.78	7.94
MCWP-MW07S	7/10/2018	13.72	6.09	7.63
MCWP-MW07S	8/20/2018	13.72	5.72	8.00
MCWP-MW07S	9/17/2018	13.72	5.76	7.96

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW08	8/24/2015	12.21	7.64	4.57
MCWP-MW08	9/21/2015	12.21	7.42	4.79
MCWP-MW08	10/20/2015	12.21	7.61	4.60
MCWP-MW08	11/16/2015	12.21	7.40	4.81
MCWP-MW08	12/14/2015	12.21	6.62	5.59
MCWP-MW08	1/14/2016	12.21	8.46	3.75
MCWP-MW08	2/16/2016	12.21	8.27	3.94
MCWP-MW08	3/14/2016	12.21	7.96	4.25
MCWP-MW08	4/25/2016	12.21	7.83	4.38
MCWP-MW08	5/16/2016	12.21	6.87	5.34
MCWP-MW08	6/17/2016	12.21	6.97	5.24
MCWP-MW08	7/20/2016	12.21	7.76	4.45
MCWP-MW08	8/20/2016	12.21	7.77	4.44
MCWP-MW08	9/19/2016	12.21	7.74	4.47
MCWP-MW08	10/21/2016	12.21	8.00	4.21
MCWP-MW08	11/18/2016	12.21	7.27	4.94
MCWP-MW08	12/19/2016	12.21	8.57	3.64
MCWP-MW08	1/17/2017	12.21	8.00	4.21
MCWP-MW08	2/24/2017	12.21	8.77	3.44
MCWP-MW08	3/27/2017	12.21	8.81	3.40
MCWP-MW08	4/17/2017	12.21	8.74	3.47
MCWP-MW08	5/22/2017	12.21	9.04	3.17
MCWP-MW08	6/20/2017	12.21	7.47	4.74
MCWP-MW08	7/28/2017	12.21	7.21	5.00
MCWP-MW08	8/25/2017	12.21	7.40	4.81
MCWP-MW08	9/11/2017	12.21	7.68	4.53
MCWP-MW08	10/16/2017	12.21	7.72	4.49
MCWP-MW08	11/15/2017	12.21	7.78	4.43
MCWP-MW08	12/11/2017	12.21	9.02	3.19
MCWP-MW08	1/22/2018	12.21	8.73	3.48
MCWP-MW08	2/14/2018	12.21	7.85	4.36
MCWP-MW08	3/19/2018	12.21	8.34	3.87
MCWP-MW08	4/23/2018	12.21	8.47	3.74
MCWP-MW08	5/10/2018	12.21	7.61	4.60
MCWP-MW08	6/19/2018	12.21	7.03	5.18
MCWP-MW08	7/10/2018	12.21	7.22	4.99
MCWP-MW08	8/20/2018	12.21	7.43	4.78
MCWP-MW08	9/17/2018	12.21	7.57	4.64

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW10	8/24/2015	11.11	5.70	5.41
MCWP-MW10	9/21/2015	11.11	5.55	5.56
MCWP-MW10	10/20/2015	11.11	5.81	5.30
MCWP-MW10	11/16/2015	11.11	5.74	5.37
MCWP-MW10	12/14/2015	11.11	4.59	6.52
MCWP-MW10	1/14/2016	11.11	8.09	3.02
MCWP-MW10	2/16/2016	11.11	7.98	3.13
MCWP-MW10	3/14/2016	11.11	8.04	3.07
MCWP-MW10	4/25/2016	11.11	7.07	4.04
MCWP-MW10	5/16/2016	11.11	5.63	5.48
MCWP-MW10	6/17/2016	11.11	5.73	5.38
MCWP-MW10	7/20/2016	11.11	6.02	5.09
MCWP-MW10	8/20/2016	11.11	6.34	4.77
MCWP-MW10	9/19/2016	11.11	6.70	4.41
MCWP-MW10	10/21/2016	11.11	6.61	4.50
MCWP-MW10	11/18/2016	11.11	5.57	5.54
MCWP-MW10	12/19/2016	11.11	N/A	-
MCWP-MW10	1/17/2017	11.11	8.11	3.00
MCWP-MW10	2/24/2017	11.11	8.45	2.66
MCWP-MW10	3/27/2017	11.11	8.70	2.41
MCWP-MW10	4/17/2017	11.11	8.58	2.53
MCWP-MW10	5/22/2017	11.11	8.26	2.85
MCWP-MW10	6/20/2017	11.11	5.70	5.41
MCWP-MW10	7/28/2017	11.11	5.43	5.68
MCWP-MW10	8/25/2017	11.11	5.64	5.47
MCWP-MW10	9/11/2017	11.11	6.10	5.01
MCWP-MW10	10/16/2017	11.11	5.88	5.23
MCWP-MW10	11/15/2017	11.11	5.83	5.28
MCWP-MW10	12/11/2017	11.11	8.23	2.88
MCWP-MW10	1/22/2018	11.11	7.99	3.12
MCWP-MW10	2/14/2018	11.11	7.73	3.38
MCWP-MW10	3/19/2018	11.11	8.12	2.99
MCWP-MW10	4/23/2018	11.11	7.25	3.86
MCWP-MW10	5/10/2018	11.11	5.86	5.25
MCWP-MW10	6/19/2018	11.11	4.91	6.20
MCWP-MW10	7/10/2018	11.11	5.33	5.78
MCWP-MW10	8/20/2018	11.11	5.56	5.55
MCWP-MW10	9/17/2018	11.11	5.51	5.60

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-4	8/24/2015	12.16	4.58	7.58
P-4	9/21/2015	12.16	4.47	7.69
P-4	10/20/2015	12.16	4.71	7.45
P-4	11/16/2015	12.16	4.65	7.51
P-4	12/14/2015	12.16	3.52	8.64
P-4	1/14/2016	12.16	6.93	5.23
P-4	2/16/2016	12.16	6.88	5.28
P-4	3/14/2016	12.16	6.92	5.24
P-4	4/25/2016	12.16	6.00	6.16
P-4	5/16/2016	12.16	4.57	7.59
P-4	6/17/2016	12.16	4.68	7.48
P-4	7/20/2016	12.16	4.95	7.21
P-4	8/20/2016	12.16	5.27	6.89
P-4	9/19/2016	12.16	5.63	6.53
P-4	10/21/2016	12.16	5.55	6.61
P-4	11/18/2016	12.16	4.51	7.65
P-4	12/19/2016	12.16	7.17	4.99
P-4	1/17/2017	12.16	6.98	5.18
P-4	2/24/2017	12.16	7.12	5.04
P-4	3/27/2017	12.16	7.71	4.45
P-4	4/17/2017	12.16	7.48	4.68
P-4	5/22/2017	12.16	7.22	4.94
P-4	6/20/2017	12.16	4.72	7.44
P-4	7/28/2017	12.16	4.35	7.81
P-4	8/25/2017	12.16	4.61	7.55
P-4	9/11/2017	12.16	4.94	7.22
P-4	10/16/2017	12.16	4.75	7.41
P-4	11/15/2017	12.16	4.74	7.42
P-4	12/11/2017	12.16	7.53	4.63
P-4	1/22/2018	12.16	6.84	5.32
P-4	2/14/2018	12.16	7.22	4.94
P-4	3/19/2018	12.16	6.95	5.21
P-4	4/23/2018	12.16	6.15	6.01
P-4	5/10/2018	12.16	4.75	7.41
P-4	6/19/2018	12.16	3.85	8.31
P-4	7/10/2018	12.16	4.27	7.89
P-4	8/20/2018	12.16	4.35	7.81
P-4	9/17/2018	12.16	4.80	7.36

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-9	8/24/2015	12.17	5.07	7.10
P-9	9/21/2015	12.17	4.90	7.27
P-9	10/20/2015	12.17	5.18	6.99
P-9	11/16/2015	12.17	5.08	7.09
P-9	12/14/2015	12.17	3.92	8.25
P-9	1/14/2016	12.17	7.49	4.68
P-9	2/16/2016	12.17	7.53	4.64
P-9	3/14/2016	12.17	7.66	4.51
P-9	4/25/2016	12.17	6.49	5.68
P-9	5/16/2016	12.17	5.02	7.15
P-9	6/17/2016	12.17	5.09	7.08
P-9	7/20/2016	12.17	5.34	6.83
P-9	8/20/2016	12.17	5.70	6.47
P-9	9/19/2016	12.17	6.06	6.11
P-9	10/21/2016	12.17	6.01	6.16
P-9	11/18/2016	12.17	4.91	7.26
P-9	12/19/2016	12.17	7.81	4.36
P-9	1/17/2017	12.17	7.68	4.49
P-9	2/24/2017	12.17	7.82	4.35
P-9	3/27/2017	12.17	8.00	4.17
P-9	4/17/2017	12.17	8.16	4.01
P-9	5/22/2017	12.17	7.59	4.58
P-9	6/20/2017	12.17	5.03	7.14
P-9	7/28/2017	12.17	4.77	7.40
P-9	8/25/2017	12.17	4.95	7.22
P-9	9/11/2017	12.17	5.37	6.80
P-9	10/16/2017	12.17	5.24	6.93
P-9	11/15/2017	12.17	5.20	6.97
P-9	12/11/2017	12.17	8.26	3.91
P-9	1/22/2018	12.17	7.44	4.73
P-9	2/14/2018	12.17	7.15	5.02
P-9	3/19/2018	12.17	7.53	4.64
P-9	4/23/2018	12.17	6.60	5.57
P-9	5/10/2018	12.17	5.15	7.02
P-9	6/19/2018	12.17	4.23	7.94
P-9	7/10/2018	12.17	4.73	7.44
P-9	8/20/2018	12.17	4.74	7.43
P-9	9/17/2018	12.17	4.80	7.37

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-2	8/24/2015	13.13	6.04	7.09
SMBRP-2	9/21/2015	13.13	5.91	7.22
SMBRP-2	10/20/2015	13.13	6.16	6.97
SMBRP-2	11/16/2015	13.13	6.09	7.04
SMBRP-2	12/14/2015	13.13	4.84	8.29
SMBRP-2	1/14/2016	13.13	8.80	4.33
SMBRP-2	2/16/2016	13.13	8.54	4.59
SMBRP-2	3/14/2016	13.13	8.58	4.55
SMBRP-2	4/25/2016	13.13	7.59	5.54
SMBRP-2	5/16/2016	13.13	6.07	7.06
SMBRP-2	6/17/2016	13.13	6.14	6.99
SMBRP-2	7/20/2016	13.13	6.36	6.77
SMBRP-2	8/20/2016	13.13	6.73	6.40
SMBRP-2	9/19/2016	13.13	7.11	6.02
SMBRP-2	10/21/2016	13.13	6.98	6.15
SMBRP-2	11/18/2016	13.13	5.94	7.19
SMBRP-2	12/19/2016	13.13	8.87	4.26
SMBRP-2	1/17/2017	13.13	8.64	4.49
SMBRP-2	2/24/2017	13.13	8.94	4.19
SMBRP-2	3/27/2017	13.13	9.25	3.88
SMBRP-2	4/17/2017	13.13	9.15	3.98
SMBRP-2	5/22/2017	13.13	8.68	4.45
SMBRP-2	6/20/2017	13.13	5.78	7.35
SMBRP-2	7/28/2017	13.13	5.58	7.55
SMBRP-2	8/25/2017	13.13	5.74	7.39
SMBRP-2	9/11/2017	13.13	6.17	6.96
SMBRP-2	10/16/2017	13.13	6.22	6.91
SMBRP-2	11/15/2017	13.13	6.13	7.00
SMBRP-2	12/11/2017	13.13	9.22	3.91
SMBRP-2	1/22/2018	13.13	8.53	4.60
SMBRP-2	2/14/2018	13.13	8.60	4.53
SMBRP-2	3/19/2018	13.13	8.70	4.43
SMBRP-2	4/23/2018	13.13	7.78	5.35
SMBRP-2	5/10/2018	13.13	6.18	6.95
SMBRP-2	6/19/2018	13.13	5.21	7.92
SMBRP-2	7/10/2018	13.13	5.64	7.49
SMBRP-2	8/20/2018	13.13	5.70	7.43
SMBRP-2	9/17/2018	13.13	5.75	7.38

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-6	8/24/2015	26.88	16.49	10.39
SMBRP-6	9/21/2015	26.88	15.95	10.93
SMBRP-6	10/20/2015	26.88	16.66	10.22
SMBRP-6	11/16/2015	26.88	16.47	10.41
SMBRP-6	12/14/2015	26.88	14.78	12.10
SMBRP-6	1/14/2016	26.88	14.68	12.20
SMBRP-6	2/16/2016	26.88	15.22	11.66
SMBRP-6	3/14/2016	26.88	14.43	12.45
SMBRP-6	4/25/2016	26.88	16.60	10.28
SMBRP-6	5/16/2016	26.88	16.81	10.07
SMBRP-6	6/17/2016	26.88	17.87	9.01
SMBRP-6	7/20/2016	26.88	18.52	8.36
SMBRP-6	8/20/2016	26.88	19.01	7.87
SMBRP-6	9/19/2016	26.88	19.61	7.27
SMBRP-6	10/21/2016	26.88	18.13	8.75
SMBRP-6	11/18/2016	26.88	16.12	10.76
SMBRP-6	12/19/2016	26.88	14.46	12.42
SMBRP-6	1/17/2017	26.88	14.14	12.74
SMBRP-6	2/24/2017	26.88	13.14	13.74
SMBRP-6	3/27/2017	26.88	15.01	11.87
SMBRP-6	4/17/2017	26.88	14.79	12.09
SMBRP-6	5/22/2017	26.88	15.44	11.44
SMBRP-6	6/20/2017	26.88	15.87	11.01
SMBRP-6	7/28/2017	26.88	16.32	10.56
SMBRP-6	8/25/2017	26.88	16.39	10.49
SMBRP-6	9/11/2017	26.88	16.48	10.40
SMBRP-6	10/16/2017	26.88	16.27	10.61
SMBRP-6	11/15/2017	26.88	16.40	10.48
SMBRP-6	12/11/2017	26.88	16.40	10.48
SMBRP-6	1/22/2018	26.88	14.78	12.10
SMBRP-6	2/14/2018	26.88	14.89	11.99
SMBRP-6	3/19/2018	26.88	14.32	12.56
SMBRP-6	4/23/2018	26.88	15.10	11.78
SMBRP-6	5/10/2018	26.88	15.21	11.67
SMBRP-6	6/19/2018	26.88	16.15	10.73
SMBRP-6	7/10/2018	26.88	16.45	10.43
SMBRP-6	8/20/2018	26.88	16.60	10.28
SMBRP-6	9/17/2018	26.88	inaccesible	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-7B	8/24/2015	18.99	10.69	8.30
SMBRP-7B	9/21/2015	18.99	10.62	8.37
SMBRP-7B	10/20/2015	18.99	10.77	8.22
SMBRP-7B	11/16/2015	18.99	10.78	8.21
SMBRP-7B	12/14/2015	18.99	10.60	8.39
SMBRP-7B	1/14/2016	18.99	10.83	8.16
SMBRP-7B	2/16/2016	18.99	11.08	7.91
SMBRP-7B	3/14/2016	18.99	10.84	8.15
SMBRP-7B	4/25/2016	18.99	11.23	7.76
SMBRP-7B	5/16/2016	18.99	11.04	7.95
SMBRP-7B	6/17/2016	18.99	11.08	7.91
SMBRP-7B	7/20/2016	18.99	11.31	7.68
SMBRP-7B	8/20/2016	18.99	11.54	7.45
SMBRP-7B	9/19/2016	18.99	11.68	7.31
SMBRP-7B	10/21/2016	18.99	11.81	7.18
SMBRP-7B	11/18/2016	18.99	11.49	7.50
SMBRP-7B	12/19/2016	18.99	11.33	7.66
SMBRP-7B	1/17/2017	18.99	10.18	8.81
SMBRP-7B	2/24/2017	18.99	8.13	10.86
SMBRP-7B	3/27/2017	18.99	9.68	9.31
SMBRP-7B	4/17/2017	18.99	9.90	9.09
SMBRP-7B	5/22/2017	18.99	10.51	8.48
SMBRP-7B	6/20/2017	18.99	10.71	8.28
SMBRP-7B	7/28/2017	18.99	10.99	8.00
SMBRP-7B	8/25/2017	18.99	11.66	7.33
SMBRP-7B	9/11/2017	18.99	11.86	7.13
SMBRP-7B	10/16/2017	18.99	11.12	7.87
SMBRP-7B	11/15/2017	18.99	10.77	8.22
SMBRP-7B	12/11/2017	18.99	11.11	7.88
SMBRP-7B	1/22/2018	18.99	11.18	7.81
SMBRP-7B	2/14/2018	18.99	11.19	7.80
SMBRP-7B	3/19/2018	18.99	10.75	8.24
SMBRP-7B	4/23/2018	18.99	10.81	8.18
SMBRP-7B	5/10/2018	18.99	10.53	8.46
SMBRP-7B	6/19/2018	18.99	10.36	8.63
SMBRP-7B	7/10/2018	18.99	10.61	8.38
SMBRP-7B	8/20/2018	18.99	10.75	8.24
SMBRP-7B	9/17/2018	18.99	10.76	8.23

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-8 (EC-RC-MW01)	8/24/2015	48.69	28.74	19.95
SMBRP-8 (EC-RC-MW01)	9/21/2015	48.69	29.02	19.67
SMBRP-8 (EC-RC-MW01)	10/20/2015	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	11/16/2015	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	12/14/2015	48.69	29.32	19.37
SMBRP-8 (EC-RC-MW01)	1/14/2016	48.69	28.93	19.76
SMBRP-8 (EC-RC-MW01)	2/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	3/14/2016	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	4/25/2016	48.69	29.40	19.29
SMBRP-8 (EC-RC-MW01)	5/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	6/17/2016	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	7/20/2016	48.69	29.73	18.96
SMBRP-8 (EC-RC-MW01)	8/20/2016	48.69	30.02	18.67
SMBRP-8 (EC-RC-MW01)	9/19/2016	48.69	30.64	18.05
SMBRP-8 (EC-RC-MW01)	10/21/2016	48.69	31.02	17.67
SMBRP-8 (EC-RC-MW01)	11/18/2016	48.69	31.16	17.53
SMBRP-8 (EC-RC-MW01)	12/19/2016	48.69	30.83	17.86
SMBRP-8 (EC-RC-MW01)	1/17/2017	48.69	29.49	19.20
SMBRP-8 (EC-RC-MW01)	2/24/2017	48.69	26.78	21.91
SMBRP-8 (EC-RC-MW01)	3/27/2017	48.69	25.21	23.48
SMBRP-8 (EC-RC-MW01)	4/17/2017	48.69	24.34	24.35
SMBRP-8 (EC-RC-MW01)	5/22/2017	48.69	23.31	25.38
SMBRP-8 (EC-RC-MW01)	6/20/2017	48.69	23.54	25.15
SMBRP-8 (EC-RC-MW01)	7/28/2017	48.69	24.25	24.44
SMBRP-8 (EC-RC-MW01)	8/25/2017	48.69	24.98	23.71
SMBRP-8 (EC-RC-MW01)	9/11/2017	48.69	25.30	23.39
SMBRP-8 (EC-RC-MW01)	10/16/2017	48.69	26.10	22.59
SMBRP-8 (EC-RC-MW01)	11/15/2017	48.69	26.56	22.13
SMBRP-8 (EC-RC-MW01)	12/11/2017	48.69	27.02	21.67
SMBRP-8 (EC-RC-MW01)	1/22/2018	48.69	27.44	21.25
SMBRP-8 (EC-RC-MW01)	2/14/2018	48.69	27.52	21.17
SMBRP-8 (EC-RC-MW01)	3/19/2018	48.69	27.34	21.35
SMBRP-8 (EC-RC-MW01)	4/23/2018	48.69	26.68	22.01
SMBRP-8 (EC-RC-MW01)	5/10/2018	48.69	27.02	21.67
SMBRP-8 (EC-RC-MW01)	6/19/2018	48.69	27.58	21.11
SMBRP-8 (EC-RC-MW01)	7/10/2018	48.69	27.96	20.73
SMBRP-8 (EC-RC-MW01)	8/20/2018	48.69	28.60	20.09
SMBRP-8 (EC-RC-MW01)	9/17/2018	48.69	28.00	20.69

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-9	8/24/2015	50.32	38.24	12.08
SMBRP-9	9/21/2015	50.32	38.46	11.86
SMBRP-9	10/20/2015	50.32	38.62	11.70
SMBRP-9	11/16/2015	50.32	N/A	-
SMBRP-9	12/14/2015	50.32	38.86	11.46
SMBRP-9	1/14/2016	50.32	38.95	11.37
SMBRP-9	2/16/2016	50.32	39.03	11.29
SMBRP-9	3/14/2016	50.32	38.97	11.35
SMBRP-9	4/25/2016	50.32	38.82	11.50
SMBRP-9	5/16/2016	50.32	38.82	11.50
SMBRP-9	6/17/2016	50.32	38.86	11.46
SMBRP-9	7/20/2016	50.32	39.06	11.26
SMBRP-9	8/20/2016	50.32	39.17	11.15
SMBRP-9	9/19/2016	50.32	39.33	10.99
SMBRP-9	10/21/2016	50.32	39.55	10.77
SMBRP-9	11/18/2016	50.32	39.67	10.65
SMBRP-9	12/19/2016	50.32	39.79	10.53
SMBRP-9	1/17/2017	50.32	39.82	10.50
SMBRP-9	2/24/2017	50.32	38.75	11.57
SMBRP-9	3/27/2017	50.32	37.59	12.73
SMBRP-9	4/17/2017	50.32	36.88	13.44
SMBRP-9	5/22/2017	50.32	35.82	14.50
SMBRP-9	6/20/2017	50.32	35.41	14.91
SMBRP-9	7/28/2017	50.32	35.13	15.19
SMBRP-9	8/25/2017	50.32	35.18	15.14
SMBRP-9	9/11/2017	50.32	35.48	14.84
SMBRP-9	10/16/2017	50.32	35.86	14.46
SMBRP-9	11/15/2017	50.32	36.24	14.08
SMBRP-9	12/11/2017	50.32	36.48	13.84
SMBRP-9	1/22/2018	50.32	36.94	13.38
SMBRP-9	2/14/2018	50.32	37.01	13.31
SMBRP-9	3/19/2018	50.32	36.88	13.44
SMBRP-9	4/23/2018	50.32	36.37	13.95
SMBRP-9	5/10/2018	50.32	36.65	13.67
SMBRP-9	6/19/2018	50.32	36.60	13.72
SMBRP-9	7/10/2018	50.32	36.84	13.48
SMBRP-9	8/20/2018	50.32	37.20	13.12
SMBRP-9	9/17/2018	50.32	37.30	13.02

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-10C	8/24/2015	16.25	7.37	8.88
SMBRP-10C	9/21/2015	16.25	7.64	8.61
SMBRP-10C	10/20/2015	16.25	7.96	8.29
SMBRP-10C	11/16/2015	16.25	8.16	8.09
SMBRP-10C	12/14/2015	16.25	8.06	8.19
SMBRP-10C	1/14/2016	16.25	6.11	10.14
SMBRP-10C	2/16/2016	16.25	6.57	9.68
SMBRP-10C	3/14/2016	16.25	4.80	11.45
SMBRP-10C	4/25/2016	16.25	6.59	9.66
SMBRP-10C	5/16/2016	16.25	6.86	9.39
SMBRP-10C	6/17/2016	16.25	6.90	9.35
SMBRP-10C	7/20/2016	16.25	7.72	8.53
SMBRP-10C	8/20/2016	16.25	8.12	8.13
SMBRP-10C	9/19/2016	16.25	8.54	7.71
SMBRP-10C	10/21/2016	16.25	8.78	7.47
SMBRP-10C	11/18/2016	16.25	8.89	7.36
SMBRP-10C	12/19/2016	16.25	7.95	8.30
SMBRP-10C	1/17/2017	16.25	2.72	13.53
SMBRP-10C	2/24/2017	16.25	0.99	15.26
SMBRP-10C	3/27/2017	16.25	2.06	14.19
SMBRP-10C	4/17/2017	16.25	3.97	12.28
SMBRP-10C	5/22/2017	16.25	5.52	10.73
SMBRP-10C	6/20/2017	16.25	6.22	10.03
SMBRP-10C	7/28/2017	16.25	6.89	9.36
SMBRP-10C	8/25/2017	16.25	7.28	8.97
SMBRP-10C	9/11/2017	16.25	7.51	8.74
SMBRP-10C	10/16/2017	16.25	7.37	8.88
SMBRP-10C	11/15/2017	16.25	7.38	8.87
SMBRP-10C	12/11/2017	16.25	7.43	8.82
SMBRP-10C	1/22/2018	16.25	6.82	9.43
SMBRP-10C	2/14/2018	16.25	6.95	9.30
SMBRP-10C	3/19/2018	16.25	5.71	10.54
SMBRP-10C	4/23/2018	16.25	5.91	10.34
SMBRP-10C	5/10/2018	16.25	6.07	10.18
SMBRP-10C	6/19/2018	16.25	6.68	9.57
SMBRP-10C	7/10/2018	16.25	7.00	9.25
SMBRP-10C	8/20/2018	16.25	7.33	8.92
SMBRP-10C	9/17/2018	16.25	7.45	8.80

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-12	8/24/2015	12.62	7.52	5.10
SMBRP-12	9/21/2015	12.62	6.91	5.71
SMBRP-12	10/20/2015	12.62	6.72	5.90
SMBRP-12	11/16/2015	12.62	6.75	5.87
SMBRP-12	12/14/2015	12.62	6.42	6.20
SMBRP-12	1/14/2016	12.62	6.95	5.67
SMBRP-12	2/16/2016	12.62	6.85	5.77
SMBRP-12	3/14/2016	12.62	6.09	6.53
SMBRP-12	4/25/2016	12.62	6.76	5.86
SMBRP-12	5/16/2016	12.62	6.40	6.22
SMBRP-12	6/17/2016	12.62	5.39	7.23
SMBRP-12	7/20/2016	12.62	6.05	6.57
SMBRP-12	8/20/2016	12.62	6.85	5.77
SMBRP-12	9/19/2016	12.62	6.44	6.18
SMBRP-12	10/21/2016	12.62	8.09	4.53
SMBRP-12	11/18/2016	12.62	6.52	6.10
SMBRP-12	12/19/2016	12.62	7.16	5.46
SMBRP-12	1/17/2017	12.62	6.48	6.14
SMBRP-12	2/24/2017	12.62	7.61	5.01
SMBRP-12	3/27/2017	12.62	6.96	5.66
SMBRP-12	4/17/2017	12.62	7.29	5.33
SMBRP-12	5/22/2017	12.62	7.63	4.99
SMBRP-12	6/20/2017	12.62	7.19	5.43
SMBRP-12	7/28/2017	12.62	6.68	5.94
SMBRP-12	8/25/2017	12.62	6.76	5.86
SMBRP-12	9/11/2017	12.62	7.02	5.60
SMBRP-12	10/16/2017	12.62	6.88	5.74
SMBRP-12	11/15/2017	12.62	7.08	5.54
SMBRP-12	12/11/2017	12.62	7.17	5.45
SMBRP-12	1/22/2018	12.62	7.17	5.45
SMBRP-12	2/14/2018	12.62	6.36	6.26
SMBRP-12	3/19/2018	12.62	6.32	6.30
SMBRP-12	4/23/2018	12.62	8.01	4.61
SMBRP-12	5/10/2018	12.62	8.05	4.57
SMBRP-12	6/19/2018	12.62	7.26	5.36
SMBRP-12	7/10/2018	12.62	4.85	7.77
SMBRP-12	8/20/2018	12.62	6.50	6.12
SMBRP-12	9/17/2018	12.62	6.63	5.99

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-13	8/24/2015	13.58	8.32	5.26
SMBRP-13	9/21/2015	13.58	7.98	5.60
SMBRP-13	10/20/2015	13.58	8.20	5.38
SMBRP-13	11/16/2015	13.58	7.87	5.71
SMBRP-13	12/14/2015	13.58	6.85	6.73
SMBRP-13	1/14/2016	13.58	8.24	5.34
SMBRP-13	2/16/2016	13.58	8.00	5.58
SMBRP-13	3/14/2016	13.58	7.61	5.97
SMBRP-13	4/25/2016	13.58	7.66	5.92
SMBRP-13	5/16/2016	13.58	6.92	6.66
SMBRP-13	6/17/2016	13.58	7.52	6.06
SMBRP-13	7/20/2016	13.58	8.30	5.28
SMBRP-13	8/20/2016	13.58	8.03	5.55
SMBRP-13	9/19/2016	13.58	7.45	6.13
SMBRP-13	10/21/2016	13.58	8.33	5.25
SMBRP-13	11/18/2016	13.58	7.14	6.44
SMBRP-13	12/19/2016	13.58	8.34	5.24
SMBRP-13	1/17/2017	13.58	7.48	6.10
SMBRP-13	2/24/2017	13.58	9.32	4.26
SMBRP-13	3/27/2017	13.58	7.83	5.75
SMBRP-13	4/17/2017	13.58	8.55	5.03
SMBRP-13	5/22/2017	13.58	8.81	4.77
SMBRP-13	6/20/2017	13.58	7.78	5.80
SMBRP-13	7/28/2017	13.58	8.01	5.57
SMBRP-13	8/25/2017	13.58	8.04	5.54
SMBRP-13	9/11/2017	13.58	8.42	5.16
SMBRP-13	10/16/2017	13.58	8.05	5.53
SMBRP-13	11/15/2017	13.58	8.20	5.38
SMBRP-13	12/11/2017	13.58	9.00	4.58
SMBRP-13	1/22/2018	13.58	8.46	5.12
SMBRP-13	2/14/2018	13.58	7.85	5.73
SMBRP-13	3/19/2018	13.58	8.53	5.05
SMBRP-13	4/23/2018	13.58	8.40	5.18
SMBRP-13	5/10/2018	13.58	8.09	5.49
SMBRP-13	6/19/2018	13.58	8.00	5.58
SMBRP-13	7/10/2018	13.58	7.85	5.73
SMBRP-13	8/20/2018	13.58	8.38	5.20
SMBRP-13	9/17/2018	13.58	8.33	5.25

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-15B	8/24/2015	16.77	dry	-
SMBRP-15B	9/21/2015	16.77	dry	-
SMBRP-15B	10/20/2015	16.77	dry	-
SMBRP-15B	11/16/2015	16.77	dry	-
SMBRP-15B	12/14/2015	16.77	dry	-
SMBRP-15B	1/14/2016	16.77	dry	-
SMBRP-15B	2/16/2016	16.77	dry	-
SMBRP-15B	3/14/2016	16.77	dry	-
SMBRP-15B	4/25/2016	16.77	dry	-
SMBRP-15B	5/16/2016	16.77	dry	-
SMBRP-15B	6/17/2016	16.77	dry	-
SMBRP-15B	7/20/2016	16.77	dry	-
SMBRP-15B	8/20/2016	16.77	dry	-
SMBRP-15B	9/19/2016	16.77	dry	-
SMBRP-15B	10/21/2016	16.77	dry	-
SMBRP-15B	11/18/2016	16.77	dry	-
SMBRP-15B	12/19/2016	16.77	dry	-
SMBRP-15B	1/17/2017	16.77	dry	-
SMBRP-15B	2/24/2017	16.77	dry	-
SMBRP-15B	3/27/2017	16.77	dry	-
SMBRP-15B	4/17/2017	16.77	dry	-
SMBRP-15B	5/22/2017	16.77	dry	-
SMBRP-15B	6/20/2017	16.77	dry	-
SMBRP-15B	7/28/2017	16.77	dry	-
SMBRP-15B	8/25/2017	16.77	dry	-
SMBRP-15B	9/11/2017	16.77	dry	-
SMBRP-15B	10/16/2017	16.77	dry	-
SMBRP-15B	11/15/2017	16.77	dry	-
SMBRP-15B	12/11/2017	16.77	dry	-
SMBRP-15B	1/22/2018	16.77	dry	-
SMBRP-15B	2/14/2018	16.77	dry	-
SMBRP-15B	3/19/2018	16.77	dry	-
SMBRP-15B	4/23/2018	16.77	dry	-
SMBRP-15B	5/10/2018	16.77	dry	-
SMBRP-15B	6/19/2018	16.77	dry	-
SMBRP-15B	7/10/2018	16.77	dry	-
SMBRP-15B	8/20/2018	16.77	dry	-
SMBRP-15B	9/17/2018	16.77	dry	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-16	8/24/2015	14.50	4.95	9.55
SMBRP-16	9/21/2015	14.50	4.96	9.54
SMBRP-16	10/20/2015	14.50	5.34	9.16
SMBRP-16	11/16/2015	14.50	5.55	8.95
SMBRP-16	12/14/2015	14.50	5.59	8.91
SMBRP-16	1/14/2016	14.50	3.79	10.71
SMBRP-16	2/16/2016	14.50	4.60	9.90
SMBRP-16	3/14/2016	14.50	5.27	9.23
SMBRP-16	4/25/2016	14.50	4.65	9.85
SMBRP-16	5/16/2016	14.50	4.92	9.58
SMBRP-16	6/17/2016	14.50	5.15	9.35
SMBRP-16	7/20/2016	14.50	5.49	9.01
SMBRP-16	8/20/2016	14.50	5.72	8.78
SMBRP-16	9/19/2016	14.50	5.92	8.58
SMBRP-16	10/21/2016	14.50	6.18	8.32
SMBRP-16	11/18/2016	14.50	6.02	8.48
SMBRP-16	12/19/2016	14.50	5.23	9.27
SMBRP-16	1/17/2017	14.50	2.54	11.96
SMBRP-16	2/24/2017	14.50	0.51	13.99
SMBRP-16	3/27/2017	14.50	2.61	11.89
SMBRP-16	4/17/2017	14.50	4.28	10.22
SMBRP-16	5/22/2017	14.50	N/A	-
SMBRP-16	6/20/2017	14.50	N/A	-
SMBRP-16	7/28/2017	14.50	6.42	8.08
SMBRP-16	8/25/2017	14.50	6.63	7.87
SMBRP-16	9/11/2017	14.50	6.51	7.99
SMBRP-16	10/16/2017	14.50	4.84	9.66
SMBRP-16	11/15/2017	14.50	4.47	10.03
SMBRP-16	12/11/2017	14.50	4.80	9.70
SMBRP-16	1/22/2018	14.50	8.25	6.25
SMBRP-16	2/14/2018	14.50	4.83	9.67
SMBRP-16	3/19/2018	14.50	3.45	11.05
SMBRP-16	5/10/2018	14.50	3.85	10.65
SMBRP-16	4/23/2018	14.50	3.72	10.78
SMBRP-16	6/19/2018	14.50	4.46	10.04
SMBRP-16	7/10/2018	14.50	4.75	9.75
SMBRP-16	8/20/2018	14.50	5.02	9.48
SMBRP-16	9/17/2018	14.50	covered	-

Notes:
N/A: well not accessible
'- : no data available
TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	8/24/2015	17.90	10.22	7.68
MCWP-MW01	9/21/2015	17.90	9.71	8.19
MCWP-MW01	10/20/2015	17.90	10.00	7.90
MCWP-MW01	11/16/2015	17.90	9.91	7.99
MCWP-MW01	12/14/2015	17.90	9.23	8.67
MCWP-MW01	1/14/2016	17.90	10.45	7.45
MCWP-MW01	2/16/2016	17.90	11.02	6.88
MCWP-MW01	3/14/2016	17.90	10.53	7.37
MCWP-MW01	4/25/2016	17.90	10.89	7.01
MCWP-MW01	5/16/2016	17.90	10.70	7.20
MCWP-MW01	6/17/2016	17.90	10.75	7.15
MCWP-MW01	7/20/2016	17.90	11.09	6.81
MCWP-MW01	8/20/2016	17.90	11.30	6.60
MCWP-MW01	9/19/2016	17.90	11.13	6.77
MCWP-MW01	10/21/2016	17.90	11.19	6.71
MCWP-MW01	11/18/2016	17.90	9.94	7.96
MCWP-MW01	12/19/2016	17.90	10.56	7.34
MCWP-MW01	1/17/2017	17.90	10.17	7.73
MCWP-MW01	2/24/2017	17.90	10.68	7.22
MCWP-MW01	3/27/2017	17.90	11.47	6.43
MCWP-MW01	4/17/2017	17.90	11.33	6.57
MCWP-MW01	5/22/2017	17.90	11.83	6.07
MCWP-MW01	6/20/2017	17.90	10.47	7.43
MCWP-MW01	7/28/2017	17.90	10.45	7.45
MCWP-MW01	8/25/2017	17.90	10.29	7.61
MCWP-MW01	9/11/2017	17.90	10.60	7.30
MCWP-MW01	10/16/2017	17.90	10.06	7.84
MCWP-MW01	11/15/2017	17.90	9.99	7.91
MCWP-MW01	12/11/2017	17.90	11.57	6.33
MCWP-MW01	1/22/2018	17.90	10.70	7.20
MCWP-MW01	2/14/2018	17.90	10.49	7.41
MCWP-MW01	3/19/2018	17.90	10.33	7.57
MCWP-MW01	4/23/2018	17.90	11.19	6.71
MCWP-MW01	5/10/2018	17.90	10.26	7.64
MCWP-MW01	6/19/2018	17.90	10.31	7.59
MCWP-MW01	7/10/2018	17.90	10.14	7.76
MCWP-MW01	8/20/2018	17.90	10.19	7.71
MCWP-MW01	9/17/2018	17.90	10.50	7.40

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW02	8/24/2015	18.06	10.39	7.67
MCWP-MW02	9/21/2015	18.06	9.92	8.14
MCWP-MW02	10/20/2015	18.06	10.25	7.81
MCWP-MW02	11/16/2015	18.06	10.16	7.90
MCWP-MW02	12/14/2015	18.06	9.14	8.92
MCWP-MW02	1/14/2016	18.06	10.68	7.38
MCWP-MW02	2/16/2016	18.06	11.13	6.93
MCWP-MW02	3/14/2016	18.06	10.72	7.34
MCWP-MW02	4/25/2016	18.06	11.08	6.98
MCWP-MW02	5/16/2016	18.06	10.55	7.51
MCWP-MW02	6/17/2016	18.06	10.82	7.24
MCWP-MW02	7/20/2016	18.06	11.10	6.96
MCWP-MW02	8/20/2016	18.06	11.35	6.71
MCWP-MW02	9/19/2016	18.06	11.59	6.47
MCWP-MW02	10/21/2016	18.06	11.41	6.65
MCWP-MW02	11/18/2016	18.06	10.16	7.90
MCWP-MW02	12/19/2016	18.06	10.82	7.24
MCWP-MW02	1/17/2017	18.06	10.44	7.62
MCWP-MW02	2/24/2017	18.06	10.68	7.38
MCWP-MW02	3/27/2017	18.06	11.96	6.10
MCWP-MW02	4/17/2017	18.06	11.35	6.71
MCWP-MW02	5/22/2017	18.06	12.03	6.03
MCWP-MW02	6/20/2017	18.06	10.74	7.32
MCWP-MW02	7/28/2017	18.06	10.56	7.50
MCWP-MW02	8/25/2017	18.06	10.62	7.44
MCWP-MW02	9/11/2017	18.06	10.79	7.27
MCWP-MW02	10/16/2017	18.06	10.28	7.78
MCWP-MW02	11/15/2017	18.06	10.49	7.57
MCWP-MW02	12/11/2017	18.06	8.65	9.41
MCWP-MW02	1/22/2018	18.06	10.95	7.11
MCWP-MW02	2/14/2018	18.06	10.71	7.35
MCWP-MW02	3/19/2018	18.06	10.64	7.42
MCWP-MW02	4/23/2018	18.06	11.09	6.97
MCWP-MW02	5/10/2018	18.06	10.16	7.90
MCWP-MW02	6/19/2018	18.06	10.18	7.88
MCWP-MW02	7/10/2018	18.06	10.18	7.88
MCWP-MW02	8/20/2018	18.06	10.32	7.74
MCWP-MW02	9/17/2018	18.06	10.45	7.61

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW03	9/21/2015	15.31	7.52	7.79
MCWP-MW03	10/20/2015	15.31	7.78	7.53
MCWP-MW03	11/16/2015	15.31	7.34	7.97
MCWP-MW03	12/14/2015	15.31	6.75	8.56
MCWP-MW03	1/14/2016	15.31	8.38	6.93
MCWP-MW03	2/16/2016	15.31	8.43	6.88
MCWP-MW03	3/14/2016	15.31	8.05	7.26
MCWP-MW03	4/25/2016	15.31	8.63	6.68
MCWP-MW03	5/16/2016	15.31	8.35	6.96
MCWP-MW03	6/17/2016	15.31	8.50	6.81
MCWP-MW03	7/20/2016	15.31	8.30	7.01
MCWP-MW03	8/20/2016	15.31	8.87	6.44
MCWP-MW03	9/19/2016	15.31	8.23	7.08
MCWP-MW03	10/21/2016	15.31	8.94	6.37
MCWP-MW03	11/18/2016	15.31	7.64	7.67
MCWP-MW03	12/19/2016	15.31	8.09	7.22
MCWP-MW03	1/17/2017	15.31	7.63	7.68
MCWP-MW03	2/24/2017	15.31	N/A	-
MCWP-MW03	3/27/2017	15.31	N/A	-
MCWP-MW03	4/17/2017	15.31	N/A	-
MCWP-MW03	5/22/2017	15.31	N/A	-
MCWP-MW03	6/20/2017	15.31	N/A	-
MCWP-MW03	7/28/2017	15.31	8.02	7.29
MCWP-MW03	8/25/2017	15.31	7.58	7.73
MCWP-MW03	9/11/2017	15.31	7.92	7.39
MCWP-MW03	10/16/2017	15.31	7.39	7.92
MCWP-MW03	11/15/2017	15.31	7.70	7.61
MCWP-MW03	12/11/2017	15.31	9.25	6.06
MCWP-MW03	1/22/2018	15.31	8.14	7.17
MCWP-MW03	2/14/2018	15.31	8.47	6.84
MCWP-MW03	3/19/2018	15.31	8.12	7.19
MCWP-MW03	4/23/2018	15.31	9.21	6.10
MCWP-MW03	5/10/2018	15.31	8.10	7.21
MCWP-MW03	6/19/2018	15.31	8.48	6.83
MCWP-MW03	7/10/2018	15.31	7.90	7.41
MCWP-MW03	8/20/2018	15.31	7.90	7.41
MCWP-MW03	9/17/2018	15.31	7.81	7.50

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04D	8/24/2015	15.43	9.35	6.08
MCWP-MW04D	9/21/2015	15.43	8.84	6.59
MCWP-MW04D	10/20/2015	15.43	9.16	6.27
MCWP-MW04D	11/16/2015	15.43	9.13	6.30
MCWP-MW04D	12/14/2015	15.43	8.39	7.04
MCWP-MW04D	1/14/2016	15.43	9.59	5.84
MCWP-MW04D	2/16/2016	15.43	10.24	5.19
MCWP-MW04D	3/14/2016	15.43	9.69	5.74
MCWP-MW04D	4/25/2016	15.43	10.07	5.36
MCWP-MW04D	5/16/2016	15.43	9.83	5.60
MCWP-MW04D	6/17/2016	15.43	9.97	5.46
MCWP-MW04D	7/20/2016	15.43	10.22	5.21
MCWP-MW04D	8/20/2016	15.43	10.33	5.10
MCWP-MW04D	9/19/2016	15.43	10.32	5.11
MCWP-MW04D	10/21/2016	15.43	10.40	5.03
MCWP-MW04D	11/18/2016	15.43	9.12	6.31
MCWP-MW04D	12/19/2016	15.43	9.68	5.75
MCWP-MW04D	1/17/2017	15.43	9.34	6.09
MCWP-MW04D	2/24/2017	15.43	9.83	5.60
MCWP-MW04D	3/27/2017	15.43	10.61	4.82
MCWP-MW04D	4/17/2017	15.43	10.51	4.92
MCWP-MW04D	5/22/2017	15.43	10.99	4.44
MCWP-MW04D	6/20/2017	15.43	9.62	5.81
MCWP-MW04D	7/28/2017	15.43	9.62	5.81
MCWP-MW04D	8/25/2017	15.43	9.46	5.97
MCWP-MW04D	9/11/2017	15.43	9.72	5.71
MCWP-MW04D	10/16/2017	15.43	9.24	6.19
MCWP-MW04D	11/15/2017	15.43	9.13	6.30
MCWP-MW04D	12/11/2017	15.43	10.78	4.65
MCWP-MW04D	1/22/2018	15.43	9.84	5.59
MCWP-MW04D	2/14/2018	15.43	9.59	5.84
MCWP-MW04D	3/19/2018	15.43	9.56	5.87
MCWP-MW04D	4/23/2018	15.43	10.41	5.02
MCWP-MW04D	5/10/2018	15.43	9.49	5.94
MCWP-MW04D	6/19/2018	15.43	9.56	5.87
MCWP-MW04D	7/10/2018	15.43	9.24	6.19
MCWP-MW04D	8/20/2018	15.43	9.41	6.02
MCWP-MW04D	9/17/2018	15.43	9.20	6.23

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	8/24/2015	13.92	7.62	6.30
MCWP-MW05	9/21/2015	13.92	7.30	6.62
MCWP-MW05	10/20/2015	13.92	7.47	6.45
MCWP-MW05	11/16/2015	13.92	7.42	6.50
MCWP-MW05	12/14/2015	13.92	6.39	7.53
MCWP-MW05	1/14/2016	13.92	7.82	6.10
MCWP-MW05	2/16/2016	13.92	8.37	5.55
MCWP-MW05	3/14/2016	13.92	7.96	5.96
MCWP-MW05	4/25/2016	13.92	8.27	5.65
MCWP-MW05	5/16/2016	13.92	7.78	6.14
MCWP-MW05	6/17/2016	13.92	8.05	5.87
MCWP-MW05	7/20/2016	13.92	8.41	5.51
MCWP-MW05	8/20/2016	13.92	8.69	5.23
MCWP-MW05	9/19/2016	13.92	8.98	4.94
MCWP-MW05	10/21/2016	13.92	N/A	-
MCWP-MW05	11/18/2016	13.92	N/A	-
MCWP-MW05	12/19/2016	13.92	N/A	-
MCWP-MW05	1/17/2017	13.92	N/A	-
MCWP-MW05	2/24/2017	13.92	N/A	-
MCWP-MW05	3/27/2017	13.92	8.39	5.53
MCWP-MW05	4/17/2017	13.92	8.48	5.44
MCWP-MW05	5/22/2017	13.92	N/A	-
MCWP-MW05	6/20/2017	13.92	N/A	-
MCWP-MW05	7/28/2017	13.92	N/A	-
MCWP-MW05	8/25/2017	13.92	N/A	-
MCWP-MW05	9/11/2017	13.92	8.15	5.77
MCWP-MW05	10/16/2017	13.92	7.48	6.44
MCWP-MW05	11/15/2017	13.92	7.41	6.51
MCWP-MW05	12/11/2017	13.92	8.78	5.14
MCWP-MW05	1/22/2018	13.92	8.04	5.88
MCWP-MW05	2/14/2018	13.92	8.10	5.82
MCWP-MW05	3/19/2018	13.92	7.74	6.18
MCWP-MW05	4/23/2018	13.92	8.18	5.74
MCWP-MW05	5/10/2018	13.92	7.36	6.56
MCWP-MW05	6/19/2018	13.92	7.43	6.49
MCWP-MW05	7/10/2018	13.92	7.34	6.58
MCWP-MW05	8/20/2018	13.92	7.50	6.42
MCWP-MW05	9/17/2018	13.92	7.41	6.51

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW06	8/24/2015	16.05	9.87	6.18
MCWP-MW06	9/21/2015	16.05	9.40	6.65
MCWP-MW06	10/20/2015	16.05	9.71	6.34
MCWP-MW06	11/16/2015	16.05	9.61	6.44
MCWP-MW06	12/14/2015	16.05	8.64	7.41
MCWP-MW06	1/14/2016	16.05	10.12	5.93
MCWP-MW06	2/16/2016	16.05	10.58	5.47
MCWP-MW06	3/14/2016	16.05	10.14	5.91
MCWP-MW06	4/25/2016	16.05	10.49	5.56
MCWP-MW06	5/16/2016	16.05	10.06	5.99
MCWP-MW06	6/17/2016	16.05	10.27	5.78
MCWP-MW06	7/20/2016	16.05	10.60	5.45
MCWP-MW06	8/20/2016	16.05	10.86	5.19
MCWP-MW06	9/19/2016	16.05	11.07	4.98
MCWP-MW06	10/21/2016	16.05	10.90	5.15
MCWP-MW06	11/18/2016	16.05	9.62	6.43
MCWP-MW06	12/19/2016	16.05	10.20	5.85
MCWP-MW06	1/17/2017	16.05	9.87	6.18
MCWP-MW06	2/24/2017	16.05	10.05	6.00
MCWP-MW06	3/27/2017	16.05	11.41	4.64
MCWP-MW06	4/17/2017	16.05	10.81	5.24
MCWP-MW06	5/22/2017	16.05	11.43	4.62
MCWP-MW06	6/20/2017	16.05	10.16	5.89
MCWP-MW06	7/28/2017	16.05	10.03	6.02
MCWP-MW06	8/25/2017	16.05	10.06	5.99
MCWP-MW06	9/11/2017	16.05	10.41	5.64
MCWP-MW06	10/16/2017	16.05	9.72	6.33
MCWP-MW06	11/15/2017	16.05	9.91	6.14
MCWP-MW06	12/11/2017	16.05	11.10	4.95
MCWP-MW06	1/22/2018	16.05	10.34	5.71
MCWP-MW06	2/14/2018	16.05	10.19	5.86
MCWP-MW06	3/19/2018	16.05	9.86	6.19
MCWP-MW06	4/23/2018	16.05	10.67	5.38
MCWP-MW06	5/10/2018	16.05	9.67	6.38
MCWP-MW06	6/19/2018	16.05	9.71	6.34
MCWP-MW06	7/10/2018	16.05	9.64	6.41
MCWP-MW06	8/20/2018	16.05	9.78	6.27
MCWP-MW06	9/17/2018	16.05	9.60	6.45

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW07D	8/24/2015	13.21	7.51	5.70
MCWP-MW07D	9/21/2015	13.21	7.44	5.77
MCWP-MW07D	10/20/2015	13.21	7.67	5.54
MCWP-MW07D	11/16/2015	13.21	7.27	5.94
MCWP-MW07D	12/14/2015	13.21	6.59	6.62
MCWP-MW07D	1/14/2016	13.21	8.32	4.89
MCWP-MW07D	2/16/2016	13.21	8.32	4.89
MCWP-MW07D	3/14/2016	13.21	7.92	5.29
MCWP-MW07D	4/25/2016	13.21	8.47	4.74
MCWP-MW07D	5/16/2016	13.21	8.26	4.95
MCWP-MW07D	6/17/2016	13.21	8.45	4.76
MCWP-MW07D	7/20/2016	13.21	8.18	5.03
MCWP-MW07D	8/20/2016	13.21	8.77	4.44
MCWP-MW07D	9/19/2016	13.21	8.12	5.09
MCWP-MW07D	10/21/2016	13.21	8.81	4.40
MCWP-MW07D	11/18/2016	13.21	7.54	5.67
MCWP-MW07D	12/19/2016	13.21	7.99	5.22
MCWP-MW07D	1/17/2017	13.21	7.52	5.69
MCWP-MW07D	2/24/2017	13.21	N/A	-
MCWP-MW07D	3/27/2017	13.21	N/A	-
MCWP-MW07D	4/17/2017	13.21	N/A	-
MCWP-MW07D	5/22/2017	13.21	N/A	-
MCWP-MW07D	6/20/2017	13.21	N/A	-
MCWP-MW07D	7/28/2017	13.21	7.91	5.30
MCWP-MW07D	8/25/2017	13.21	7.44	5.77
MCWP-MW07D	9/11/2017	13.21	7.91	5.30
MCWP-MW07D	10/16/2017	13.21	7.20	6.01
MCWP-MW07D	11/15/2017	13.21	7.54	5.67
MCWP-MW07D	12/11/2017	13.21	9.12	4.09
MCWP-MW07D	1/22/2018	13.21	8.02	5.19
MCWP-MW07D	2/14/2018	13.21	8.38	4.83
MCWP-MW07D	3/19/2018	13.21	7.83	5.38
MCWP-MW07D	4/23/2018	13.21	9.07	4.14
MCWP-MW07D	5/10/2018	13.21	7.98	5.23
MCWP-MW07D	6/19/2018	13.21	8.44	4.77
MCWP-MW07D	7/10/2018	13.21	7.74	5.47
MCWP-MW07D	8/20/2018	13.21	7.81	5.40
MCWP-MW07D	9/17/2018	13.21	7.73	5.48

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW09	8/24/2015	16.30	5.69	10.61
MCWP-MW09	9/21/2015	16.30	5.42	10.88
MCWP-MW09	10/20/2015	16.30	5.68	10.62
MCWP-MW09	11/16/2015	16.30	5.50	10.80
MCWP-MW09	12/14/2015	16.30	4.75	11.55
MCWP-MW09	1/14/2016	16.30	6.37	9.93
MCWP-MW09	2/16/2016	16.30	6.42	9.88
MCWP-MW09	3/14/2016	16.30	6.04	10.26
MCWP-MW09	4/25/2016	16.30	6.38	9.92
MCWP-MW09	5/16/2016	16.30	5.85	10.45
MCWP-MW09	6/17/2016	16.30	5.96	10.34
MCWP-MW09	7/20/2016	16.30	6.44	9.86
MCWP-MW09	8/20/2016	16.30	6.54	9.76
MCWP-MW09	9/19/2016	16.30	6.26	10.04
MCWP-MW09	10/21/2016	16.30	6.71	9.59
MCWP-MW09	11/18/2016	16.30	5.68	10.62
MCWP-MW09	12/19/2016	16.30	6.31	9.99
MCWP-MW09	1/17/2017	16.30	5.79	10.51
MCWP-MW09	2/24/2017	16.30	6.78	9.52
MCWP-MW09	3/27/2017	16.30	7.12	9.18
MCWP-MW09	4/17/2017	16.30	6.83	9.47
MCWP-MW09	5/22/2017	16.30	7.72	8.58
MCWP-MW09	6/20/2017	16.30	6.24	10.06
MCWP-MW09	7/28/2017	16.30	5.76	10.54
MCWP-MW09	8/25/2017	16.30	5.78	10.52
MCWP-MW09	9/11/2017	16.30	5.85	10.45
MCWP-MW09	10/16/2017	16.30	5.90	10.40
MCWP-MW09	11/15/2017	16.30	5.70	10.60
MCWP-MW09	12/11/2017	16.30	7.10	9.20
MCWP-MW09	1/22/2018	16.30	6.31	9.99
MCWP-MW09	2/14/2018	16.30	7.30	9.00
MCWP-MW09	3/19/2018	16.30	7.71	8.59
MCWP-MW09	4/23/2018	16.30	6.90	9.40
MCWP-MW09	5/10/2018	16.30	6.04	10.26
MCWP-MW09	6/19/2018	16.30	6.01	10.29
MCWP-MW09	7/10/2018	16.30	7.40	8.90
MCWP-MW09	8/20/2018	16.30	5.74	10.56
MCWP-MW09	9/17/2018	16.30	5.77	10.53

Notes:
N/A: well not accessible
'- : no data available
TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	8/24/2015	104.55	53.71	50.84
LAMW-5S	9/21/2015	104.55	53.30	51.25
LAMW-5S	10/20/2015	104.55	53.74	50.81
LAMW-5S	11/16/2015	104.55	53.90	50.65
LAMW-5S	12/14/2015	104.55	53.54	51.01
LAMW-5S	1/14/2016	104.55	54.02	50.53
LAMW-5S	2/16/2016	104.55	53.69	50.86
LAMW-5S	3/14/2016	104.55	53.92	50.63
LAMW-5S	4/25/2016	104.55	53.88	50.67
LAMW-5S	5/16/2016	104.55	53.98	50.57
LAMW-5S	6/17/2016	104.55	53.97	50.58
LAMW-5S	7/20/2016	104.55	54.23	50.32
LAMW-5S	8/20/2016	104.55	54.42	50.13
LAMW-5S	9/19/2016	104.55	54.77	49.78
LAMW-5S	10/21/2016	104.55	55.00	49.55
LAMW-5S	11/18/2016	104.55	54.91	49.64
LAMW-5S	12/19/2016	104.55	53.83	50.72
LAMW-5S	1/17/2017	104.55	53.81	50.74
LAMW-5S	2/24/2017	104.55	50.54	54.01
LAMW-5S	3/27/2017	104.55	48.71	55.84
LAMW-5S	4/17/2017	104.55	48.24	56.31
LAMW-5S	5/22/2017	104.55	48.23	56.32
LAMW-5S	6/20/2017	104.55	48.39	56.16
LAMW-5S	7/28/2017	104.55	49.08	55.47
LAMW-5S	8/25/2017	104.55	49.77	54.78
LAMW-5S	9/11/2017	104.55	49.75	54.80
LAMW-5S	10/16/2017	104.55	50.99	53.56
LAMW-5S	11/15/2017	104.55	51.66	52.89
LAMW-5S	12/11/2017	104.55	52.42	52.13
LAMW-5S	1/22/2018	104.55	53.85	50.70
LAMW-5S	2/14/2018	104.55	54.38	50.17
LAMW-5S	3/19/2018	104.55	54.57	49.98
LAMW-5S	4/23/2018	104.55	54.20	50.35
LAMW-5S	5/10/2018	104.55	54.59	49.96
LAMW-5S	6/19/2018	104.55	54.60	49.95
LAMW-5S	7/10/2018	104.55	54.35	50.20
LAMW-5S	8/24/2018	104.55	53.68	50.87
LAMW-5S	9/17/2018	104.55	53.00	51.55

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-11	8/24/2015	18.35	8.88	9.47
SMBRP-11	9/21/2015	18.35	8.70	9.65
SMBRP-11	10/20/2015	18.35	8.36	9.99
SMBRP-11	11/16/2015	18.35	8.64	9.71
SMBRP-11	12/14/2015	18.35	8.35	10.00
SMBRP-11	1/14/2016	18.35	8.00	10.35
SMBRP-11	2/16/2016	18.35	8.30	10.05
SMBRP-11	3/14/2016	18.35	7.89	10.46
SMBRP-11	4/25/2016	18.35	8.63	9.72
SMBRP-11	5/16/2016	18.35	8.62	9.73
SMBRP-11	6/17/2016	18.35	8.39	9.96
SMBRP-11	7/20/2016	18.35	8.00	10.35
SMBRP-11	8/20/2016	18.35	8.44	9.91
SMBRP-11	9/19/2016	18.35	8.56	9.79
SMBRP-11	10/21/2016	18.35	8.71	9.64
SMBRP-11	11/18/2016	18.35	8.47	9.88
SMBRP-11	12/19/2016	18.35	8.71	9.64
SMBRP-11	1/17/2017	18.35	7.81	10.54
SMBRP-11	2/24/2017	18.35	7.22	11.13
SMBRP-11	3/27/2017	18.35	7.97	10.38
SMBRP-11	4/17/2017	18.35	8.19	10.16
SMBRP-11	5/22/2017	18.35	8.45	9.90
SMBRP-11	6/20/2017	18.35	8.41	9.94
SMBRP-11	7/28/2017	18.35	8.25	10.10
SMBRP-11	8/25/2017	18.35	8.26	10.09
SMBRP-11	9/11/2017	18.35	8.50	9.85
SMBRP-11	10/16/2017	18.35	8.51	9.84
SMBRP-11	11/15/2017	18.35	8.57	9.78
SMBRP-11	12/11/2017	18.35	8.65	9.70
SMBRP-11	1/22/2018	18.35	8.54	9.81
SMBRP-11	2/14/2018	18.35	8.90	9.45
SMBRP-11	3/19/2018	18.35	8.62	9.73
SMBRP-11	4/23/2018	18.35	8.85	9.50
SMBRP-11	5/10/2018	18.35	9.04	9.31
SMBRP-11	6/19/2018	18.35	8.00	10.35
SMBRP-11	7/10/2018	18.35	7.86	10.49
SMBRP-11	8/24/2018	18.35	8.50	9.85
SMBRP-11	9/17/2018	18.35	8.33	10.02

Notes:
N/A: well not accessible
'- : no data available
TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 2
Long-Term Groundwater and Surface Water Analysis 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*[2]	*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	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Perchlorate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Fluoride	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Combined Radium-226 and Radium-228	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Gross Alpha and Beta Particle Activity	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Tritium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Strontium-90	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Uranium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 524.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analysis 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*[2]	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Alachlor, Atrazine, Simazine (EPA Method 507)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Carbofuran, Oxamyl (EPA Method 531.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Glyphosate (EPA Method 547)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Endothall (EPA Method 548.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Diquat (EPA Method 549.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (Dioxin) (EPA Method 1613)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Trihalomethanes	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Haloacetic Acids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bromate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chlorite	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Metals (aluminum, copper, iron, manganese,	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Color and Odor (included in turbidity above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Foam agents (MBAS) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Methyl-tert-butyl ether (MTBE) (included in VOCs above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Thiobencarb (included in EPA Method 525.2 above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Constituents of Emerging Concern in Attachment C of MRP CI 10042 (Long-Term sampled annually)																
17β-Estradiol	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Caffeine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n-Nitrosodimethylamine (NDMA)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Triclosan	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n,n-Diethyl-meta-toluamide (DEET)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Sucralose	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Long-Term Groundwater and Surface Water Analysis 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*[2]	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Priority Pollutants listed in Attachment D of MRP CI 10042 (Long-Term sampled annually)																
Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included in cost above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chromium VI	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 624)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Semivolatile Organic Compounds (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Pesticides (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Polychlorinated Biphenyls (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Surface Water	Long-Term 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
[2]: MBCMW-9 was dry at the time of sampling and was not sampled during the third quarter 2018 monitoring event.

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	9/25/2015	**70**	**46**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.76**
			12/1/2015	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.775**
			3/18/2016	<1.8	<1.8	**0.1**	<0.1	**0.937**	<0.2	**0.937**	**1.04**	**0.400**
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.658**
			9/23/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.97**
			12/20/2016	**49**	**49**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.01**
			3/31/2017	**14**	**6.8**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**1.69**
			6/19/2017	**23**	**7.8**	<0.1	<0.1	**0.519**	<0.2	**0.596**	**0.596**	**2.06**
			8/29/2017	**23**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**2.10**
			12/28/2017	**2.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**49**	**2.0**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.101**
			5/25/2018	**4.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.068**
		N-002	9/25/2015	**13**	**13**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.48**
			12/1/2015	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.38**
			3/18/2016	<1.8	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.42**
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.03**
			9/23/2016	**240**	**6.8**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.30**
			12/20/2016	<1.8	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.35**
			3/31/2017	**13**	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.127**
			6/19/2017	<1.8	<1.8	<0.1	<0.1	**2.25**	<0.2	**2.25**	**2.25**	**2.03**
			8/29/2017	**8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**2.14**
			12/28/2017	**31**	**17**	**0.07**	<0.1	<0.5	<0.2	<0.5	**0.070**	<0.1
			4/13/2018	**46**	**21**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	<0.1
			5/25/2018	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.047**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-003	9/25/2015	**11**	**4.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.347**
			12/1/2015	**14**	**14**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.46**
			3/18/2016	**13**	<1.8	**0.1**	<0.1	**0.865**	<0.2	**0.865**	**0.965**	<0.1
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			9/23/2016	**2.0**	**2.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.46**
			12/20/2016	**79**	**79**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.31**
			3/31/2017	**350**	**33**	**0.1**	<0.1	**10.8**	<0.2	**10.8**	**10.9**	**0.467**
			6/19/2017	**7.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.474**
			8/29/2017	**7.8**	**2.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.15**
			12/28/2017	**17**	**14**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**17**	**17**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			5/25/2018	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	**6.2**	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.080**
		N-004	9/25/2015	**14**	**9.3**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.288**
			12/1/2015	**2.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.01**
			3/18/2016	**2.0**	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.648**
			6/16/2016	**6.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.25**
			9/23/2016	**4.5**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.29**
			12/20/2016	**7.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.29**
			3/31/2017	**6.8**	**2.0**	<0.1	**0.153**	<0.5	<0.2	<0.5	**0.153**	**1.87**
			6/19/2017	**7.8**	**7.8**	<0.1	<0.1	**0.647**	<0.2	**0.647**	**0.647**	**1.24**
			8/29/2017	**79**	**79**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			12/28/2017	**17**	**17**	**0.07**	<0.1	<0.5	<0.2	<0.5	**0.07**	**0.044**
			4/13/2018	**4.5**	**4.5**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.10**	<0.1
			5/25/2018	**4.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.039**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-001	9/25/2015	**920**	**49**	<0.1	<0.1	**2.26**	<0.2	**2.26**	**2.26**	**0.558**
			12/1/2015	**350**	**33**	<0.1	<0.1	**0.837**	<0.2	**0.837**	**0.837**	**0.218**
			3/18/2016	**350**	**23**	**0.3**	<0.1	**1.99**	<0.2	**1.99**	**2.29**	**0.635**
			6/16/2016	**350**	**4.5**	<0.1	<0.1	**0.696**	<0.2	**0.696**	**0.696**	**0.178**
			9/23/2016	**540**	**79**	<0.1	<0.1	**1.04**	<0.2	**1.04**	**1.04**	**0.153**
			12/20/2016	**1,600**	**49**	**3.2**	<0.1	<0.5	<0.2	<0.5	**3.20**	**0.934**
			3/31/2017	**540**	<1.8	**1.5**	<0.1	**1.84**	<0.2	**1.84**	**3.34**	**0.577**
			6/19/2017	**350**	**49**	**0.6**	<0.1	**0.617**	<0.2	**0.617**	**1.22**	**0.387**
			8/29/2017	**>1,600**	**130**	**0.2**	<0.1	**0.834**	<0.2	**0.834**	**1.03**	**0.156**
			12/28/2017	**1,600**	**70**	**0.7**	<0.1	<0.5	<0.2	<0.5	**0.700**	**0.174**
			4/13/2018	**>1,600**	**220**	**1.7**	<0.1	<0.5	<0.2	<0.5	**1.70**	**0.858**
			5/25/2018	**920**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.285**
			8/28/2018	**140**	**2.0**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.491**
		L-002	9/25/2015	**920**	**49**	<0.1	<0.1	**1.83**	<0.2	**1.83**	**1.83**	**0.404**
			12/1/2015	**540**	**33**	<0.1	<0.1	**0.591**	<0.2	**0.591**	**0.591**	**0.226**
			3/18/2016	**280**	**49**	**0.6**	<0.1	**0.852**	<0.2	**0.852**	**1.45**	**0.379**
			6/16/2016	**33**	**2.0**	<0.1	<0.1	**0.964**	<0.2	**0.964**	**0.964**	<0.1
			9/23/2016	**14**	**4.5**	**0.1**	<0.1	**0.77**	<0.2	**0.77**	**0.870**	<0.1
			12/20/2016	**1,600**	**240**	**1.6**	<0.1	<0.5	<0.2	<0.5	**1.60**	**0.621**
			3/31/2017	**130**	**33**	**1.5**	<0.1	<0.5	<0.2	<0.5	**1.50**	**0.464**
			6/19/2017	**540**	**33**	**0.2**	<0.1	<0.5	<0.2	**0.604**	**0.804**	**0.459**
			8/29/2017	**>1,600**	**7.8**	<0.1	<0.1	**1.21**	<0.2	**1.21**	**1.21**	**0.161**
			12/28/2017	**240**	**33**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**0.056**
			4/13/2018	**>1,600**	**49**	**1.0**	<0.1	<0.5	<0.2	<0.5	**1.00**	**0.449**
			5/25/2018	**220**	**4.5**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.145**
			8/28/2018	**540**	<2.0	<0.1	<0.1	**3.40**	<0.1	**3.40**	**3.40**	**0.459**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-003	9/25/2015	**540**	**70**	<0.1	<0.1	**2.35**	<0.2	**2.35**	**2.35**	**0.379**
			12/1/2015	**240**	**17**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.213**
			3/18/2016	**240**	**23**	**0.6**	<0.1	**1.03**	<0.2	**1.03**	**1.63**	**0.397**
			6/16/2016	**79**	**4.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.139**
			9/23/2016	**23**	**4.5**	<0.1	<0.1	**1.21**	<0.2	**1.21**	**1.21**	<0.1
			12/20/2016	**220**	**31**	**2.7**	<0.1	<0.5	<0.2	<0.5	**2.70**	**0.984**
			3/31/2017	**70**	**23**	**1.2**	<0.1	**0.511**	<0.2	**0.511**	**1.71**	**0.446**
			6/19/2017	**220**	**17**	<0.1	<0.1	**0.714**	<0.2	**0.714**	**0.714**	**1.69**
			8/29/2017	**>1,600**	**33**	<0.1	<0.1	**0.898**	<0.2	**0.898**	**0.898**	**0.186**
			12/28/2017	**>1,600**	**13**	**0.08**	<0.1	**0.393**	<0.2	**0.393**	**0.473**	<0.1
			4/13/2018	**>1,600**	**79**	**0.6**	<0.1	**0.741**	<0.2	**0.741**	**1.34**	**0.373**
			5/25/2018	**110**	**79**	<0.1	<0.1	**0.906**	<0.2	**0.906**	**0.906**	**0.224**
			8/28/2018	**84**	**4.0**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.353**
		L-004	9/25/2015	**170**	**23**	<0.1	<0.1	**2.67**	<0.2	**2.67**	**2.67**	**0.266**
			12/1/2015	**170**	**130**	<0.1	<0.1	**0.583**	<0.2	**0.583**	**0.583**	**0.200**
			3/18/2016	**350**	**170**	**0.5**	<0.1	**0.798**	<0.2	**0.798**	**1.30**	**0.350**
			6/16/2016	**49**	**2.0**	<0.1	<0.1	**0.667**	<0.2	**0.667**	**0.667**	**0.114**
			9/23/2016	**17**	**4.5**	<0.1	<0.1	**0.627**	<0.2	**0.627**	**0.627**	<0.1
			12/20/2016	**540**	**79**	**2.4**	<0.1	<0.5	<0.2	<0.5	**2.40**	**0.833**
			3/31/2017	**540**	**170**	**0.4**	<0.1	**1.67**	<0.2	**1.67**	**2.07**	**0.394**
			6/19/2017	**540**	**350**	<0.1	<0.1	**1.06**	<0.2	**1.06**	**1.06**	**0.477**
			8/29/2017	**>1,600**	**49**	<0.1	<0.1	**0.653**	<0.2	**0.653**	**0.653**	**0.151**
			12/28/2017	**540**	**170**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**1,600**	**130**	**1.0**	<0.1	<0.5	<0.2	<0.5	**1.00**	**0.548**
			5/25/2018	**94**	**33**	<0.1	<0.1	**0.729**	<0.2	**0.729**	**0.729**	**0.180**
			8/28/2018	**270**	**6.2**	<0.1	<0.1	**3.80**	<0.1	**3.80**	**3.80**	**0.396**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-005	9/25/2015	**350**	**49**	<0.1	<0.1	**3.8**	<0.2	**3.8**	**3.80**	**0.372**
			12/1/2015	**350**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.123**
			3/18/2016	**540**	**350**	**1.6**	<0.1	**1.37**	<0.2	**1.37**	**2.97**	**0.661**
			6/16/2016	**26**	**6.8**	<0.1	<0.1	**1.16**	<0.2	**1.16**	**1.16**	**0.133**
			9/23/2016	**7.8**	**7.8**	<0.1	<0.1	<0.5	<0.2	**0.53**	**0.530**	<0.1
			12/20/2016	**350**	**49**	**2.5**	<0.1	<0.5	<0.2	<0.5	**2.50**	**0.865**
			3/31/2017	**170**	**22**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**0.104**
			6/19/2017	**240**	**240**	<0.1	<0.1	**0.976**	<0.2	**0.976**	**0.976**	**0.902**
			8/29/2017	**920**	**70**	<0.1	<0.1	**1.22**	<0.2	**1.22**	**1.22**	**0.135**
			12/28/2017	**>1,600**	**>1,600**	**0.7**	<0.1	**0.703**	<0.2	**0.703**	**1.40**	**0.191**
			4/13/2018	**>1,600**	**94**	**0.6**	<0.1	<0.5	<0.2	<0.5	**0.600**	**0.312**
			5/25/2018	**>1,600**	**>1,600**	<0.1	<0.1	**0.940**	<0.2	**0.940**	**0.940**	**0.411**
			8/28/2018	**100**	<2.0	<0.1	<0.1	**3.10**	<0.1	**3.10**	**3.10**	**0.432**
		L-006	9/25/2015	**170**	**170**	<0.1	<0.1	**3.59**	<0.2	**3.67**	**3.67**	**0.320**
			12/1/2015	**350**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.168**
			3/18/2016	**920**	**130**	**0.4**	<0.1	**1.46**	<0.2	**1.46**	**1.86**	**0.366**
			6/16/2016	**17**	**7.8**	<0.1	<0.1	**1.18**	<0.2	**1.18**	**1.18**	**0.172**
			9/23/2016	**7.8**	**7.8**	<0.1	<0.1	**1.24**	<0.2	**1.24**	**1.24**	<0.1
			12/20/2016	**130**	**14**	**0.3**	<0.1	<0.5	<0.2	<0.5	**0.300**	**0.287**
			3/31/2017	**540**	**11**	<0.1	<0.1	**13.6**	<0.2	**13.6**	**13.6**	**3.50**
			6/19/2017	**33**	**7.8**	<0.1	<0.1	**1.12**	<0.2	**1.12**	**1.12**	**0.714**
			8/29/2017	**1,600**	**26**	<0.1	<0.1	**1.76**	<0.2	**1.76**	**1.76**	**0.110**
			12/28/2017	**920**	**170**	<0.1	<0.1	**4.27**	<0.2	**4.27**	**4.27**	**0.333**
			4/13/2018	**>1,600**	**110**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.394**
			5/25/2018	**49**	**7.8**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.177**
			8/28/2018	**210**	**28**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.416**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliters
<: constituent not detected above the RDL
>: constituent detected above the laboratory upper detection limit

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids (TDS)	Chloride
LAMW-5S	73 feet	9/29/2015	**350**	**4.5**	**32.8**	**7.40**	<0.1	**7.68**	**0.986**	<0.2	**1.07**	**8.75**	**14.7**	**0.314**	**156**	**769**	**103**
		3/15/2016	>1,600	**350**	-	**8.20**	<0.1	-	<0.5	<0.2	<0.5	**8.20**	**9.43**	-	-	**713**	-
		9/20/2016	<1.8	<1.8	**55.1**	**12.4**	<0.1	**12.4**	<0.5	<0.2	<0.5	**12.4**	**7.04**	**0.248**	**200**	**863**	**125**
		3/28/2017	**49**	<1.8	-	**13.6**	<0.1	-	<0.5	<0.2	<0.5	**13.6**	**5.24**	-	-	**696**	-
		9/14/2017	>1,600	**170**	**72.8**	**16.4**	<0.1	**16.4**	<0.5	<0.2	<0.5	**16.4**	**5.38**	**0.325**	**98.6**	**604**	**117**
		6/20/2018	**7.8**	<1.8	-	**13.3**	<0.1	-	<0.5	<0.2	<0.5	**13.3**	**2.00**	-	-	**618**	-
		8/22/2018	**160**	<2	-	**10.6**	<0.1	**10.6**	<0.5	<0.1	<0.4	**10.6**	**4.35**	**0.257**	**71.8**	**588**	**98.9**
SMBRP-7B	25 feet	12/15/2015	**11**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	**0.552**	**0.552**	**0.478**	-	-	**3,090**	-
		3/15/2016	**110**	**11**	-	<0.1	<0.1	-	**1.37**	<0.2	**1.37**	**1.37**	**0.916**	-	-	**1,400**	-
		9/20/2016	<1.8	<1.8	-	<0.1	<0.1	-	<0.5	**0.215**	**0.618**	**0.618**	**0.445**	-	-	**3,920**	-
		3/28/2017	**4.5**	<1.8	-	**2.30**	<0.1	-	<0.5	<0.2	<0.5	**2.30**	**0.287**	-	-	**3,430**	-
		9/12/2017	<1.8	<1.8	-	**1.20**	<0.1	-	<0.5	<0.2	<0.5	**1.20**	**0.55**	-	-	**3,580**	-
		6/20/2018	**12**	<1.8	-	**0.200**	<0.1	-	<0.5	<0.2	<0.5	**0.200**	**0.224**	-	-	**3,480**	-
		8/22/2018	**74**	**58**	-	**0.57**	<0.1	**0.57**	<0.5	<0.1	<0.4	**0.57**	**0.802**	-	-	**2,330**	-
SMBRP-9	45 feet	12/15/2015	<1.8	<1.8	**78.8**	**17.8**	<0.1	**17.8**	<0.5	**0.331**	<0.5	**18.1**	**0.41**	**0.56**	**538**	**2,100**	**309**
		3/15/2016	<1.8	<1.8	-	**15.1**	<0.1	-	<0.5	<0.2	<0.5	**15.1**	**0.462**	-	-	**2,100**	-
		9/20/2016	**33**	<1.8	**84.5**	**19.1**	<0.1	**19.1**	<0.5	<0.2	<0.5	**19.1**	**0.272**	**0.649**	**342**	**1,940**	**213**
		3/28/2017	**9.3**	<1.8	-	**22.2**	<0.1	-	<0.5	<0.2	<0.5	**22.2**	**0.101**	-	-	**2,080**	-
		9/12/2017	**7.8**	<1.8	**73.3**	**16.6**	<0.1	**16.6**	<0.5	<0.2	<0.5	**16.6**	**0.125**	**0.602**	**380**	**1,800**	**230**
		6/20/2018	**110**	<1.8	-	**18.5**	<0.1	-	<0.5	<0.2	<0.5	**18.5**	**0.376**	-	-	**1,900**	-
		8/23/2018	**>4,800**	<2	-	**17.7**	<0.1	**17.7**	<0.5	<0.1	<0.4	**17.7**	**0.370**	**0.628**	**329**	**1,770**	**200**
SMBRP-11	20 feet	6/22/2018	<1.8	<1.8	-	**14.9**	<0.1	-	<0.5	**1.75**	<0.5	**16.7**	**0.104**	-	-	**1,700**	-
		8/21/2018	<2	<2	-	**14.5**	<0.1	**14.5**	**0.7**	**0.911**	**1.6**	**16.1**	**0.097**	**0.586**	**320**	**1,610**	**292**
SMBRP-12	25 feet	12/16/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**6.41**	**5.81**	**5.81**	**1.36**	**0.923**	**426**	**2,140**	**478**
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**2.9**	**5.67**	**8.57**	**8.57**	**1.43**	-	-	**2,290**	-
		9/21/2016	<1.8	<1.8	**0.6**	**0.100**	<0.1	**0.128**	<0.5	**8.85**	**8.28**	**8.28**	**0.753**	**1.25**	**871**	**7,930**	**3,140**
		3/29/2017	**6.8**	<1.8	-	<0.1	<0.1	-	<0.5	**7.60**	**7.85**	**7.85**	**1.88**	-	-	**1,610**	-
		9/13/2017	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**5.65**	**2.76**	**2.76**	**1.37**	**0.91**	**508**	**1,950**	**482**
		6/20/2018	**2**	<1.8	-	**0.100**	<0.1	-	<0.5	**4.25**	**3.89**	**3.89**	**1.80**	-	-	**1,580**	-
		8/22/2018	**88**	<2	-	<0.1	<0.1	<0.1	<0.5	**4.99**	**5.4**	**5.40**	**1.000**	**0.874**	**397**	**1,850**	**523**

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids (TDS)	Chloride
SMBRP-13	19 feet	12/15/2015	**4.5**	<1.8	-	<0.1	<0.1	-	<0.5	**0.200**	<0.5	**0.200**	**0.316**	-	-	**1,810**	-
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**0.556**	**0.884**	**1.44**	**1.44**	**0.461**	-	-	**27,500**	-
		9/21/2016	<1.8	<1.8	-	**0.100**	<0.1	-	<0.5	<0.2	<0.5	**0.100**	<0.1	-	-	**3,320**	-
		3/29/2017	<1.8	<1.8	-	**0.500**	<0.1	-	<0.5	<0.2	<0.5	**0.500**	**1.61**	-	-	**4,620**	-
		9/13/2017	**2**	<1.8	-	<0.1	**0.1**	-	<0.5	**0.605**	<0.5	**0.705**	**0.283**	-	-	**6,850**	-
		6/22/2018	<1.8	<1.8	-	**0.200**	<0.1	-	<0.5	**0.316**	<0.5	**0.516**	**0.382**	-	-	**2,660**	-
		8/23/2018	**19**	<2	-	<0.1	<0.1	<0.1	<0.5	**0.222**	**0.532**	**0.532**	**0.314**	-	-	**3,200**	-
MBCMW-09	9 feet	9/23/2015	*Well dry at time of sampling*														
		3/16/2016	**7.8**	<1.8	-	<0.1	<0.1	-	**1.82**	<0.2	**1.82**	**1.82**	**2.26**	-	-	**6,080**	-
		9/21/2016	*Well dry at time of sampling*														
		3/28/2017	**11**	**4.5**	-	<0.1	<0.1	-	**1.22**	<0.2	**1.22**	**1.22**	**0.307**	-	-	**4,980**	-
		9/13/2017	*Well dry at time of sampling*														
		6/20/2018	**2**	<1.8	-	**0.200**	<0.1	-	**1.17**	<0.2	**1.17**	**1.37**	**0.356**	-	-	**7,290**	-
		8/23/2018	*Well dry at time of sampling*														
MCWP-MW04S	20 feet	9/28/2015	**17**	<1.8	<0.4	<0.1	<0.1	<0.1	**1.00**	<0.2	**1.00**	**1.26**	**0.516**	**2.09**	**3,440**	**6,510**	**480**
		12/15/2015	<1.8	<1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
		3/16/2016	**1.8**	<1.8	-	**0.200**	<0.1	-	**1.60**	<0.2	**1.60**	**1.80**	**0.548**	-	-	**6,320**	-
		9/21/2016	<1.8	<1.8	**1.18**	**0.300**	<0.1	**0.300**	**0.600**	<0.2	**0.60**	**0.900**	**0.583**	**2.25**	**2,980**	**6,750**	**744**
		3/28/2017	**33**	<1.8	-	**2.00**	<0.1	-	**1.44**	<0.2	**1.44**	**3.44**	**0.417**	-	-	**6,360**	-
		9/13/2017	<1.8	<1.8	**3**	**0.700**	<0.1	**0.671**	<0.5	<0.2	<0.5	**0.671**	**0.449**	**2.11**	**2,880**	**6,380**	**791**
		6/20/2018	**2**	<1.8	-	**0.500**	<0.1	-	**0.800**	<0.2	**0.80**	**1.30**	**0.262**	-	-	**5,830**	-
		8/21/2018	**660**	<2	-	<0.1	<0.1	<0.1	**1.20**	<0.1	**1.20**	**1.28**	**0.242**	**1.92**	**2,760**	**6,530**	**723**
MCWP-MW04D	148 feet	9/28/2015	**17**	<1.8	**6.44**	**1.50**	<0.1	**1.50**	<0.5	**0.117**	<0.5	**1.617**	**0.154**	**0.772**	**527**	**1,630**	**216**
		3/17/2016	<1.8	<1.8	-	**1.70**	<0.1	-	<0.5	<0.2	<0.5	**1.70**	<0.1	-	-	**1,600**	-
		9/22/2016	<1.8	<1.8	**8.63**	**1.90**	<0.1	**1.90**	<0.5	<0.2	<0.5	**1.90**	<0.1	**0.774**	**531**	**1,550**	**232**
		3/30/2017	**130**	<1.8	-	**0.800**	<0.1	-	<0.5	<0.2	<0.5	**0.800**	**0.795**	-	-	**232**	-
		9/15/2017	<1.8	<1.8	**8.05**	**1.80**	<0.1	**1.80**	<0.5	<0.2	<0.5	**1.80**	**0.123**	**0.866**	**554**	**1,600**	**250**
		6/21/2018	<1.8	<1.8	-	**1.70**	<0.1	-	<0.5	<0.2	<0.5	**1.70**	<0.1	-	-	**1,570**	-
		8/23/2018	<2	<2	-	**1.66**	<0.1	**1.66**	<0.5	<0.1	<0.4	**1.66**	**0.140**	**0.846**	**539**	**1,610**	**238**

Table 4
Groundwater Analytical Results

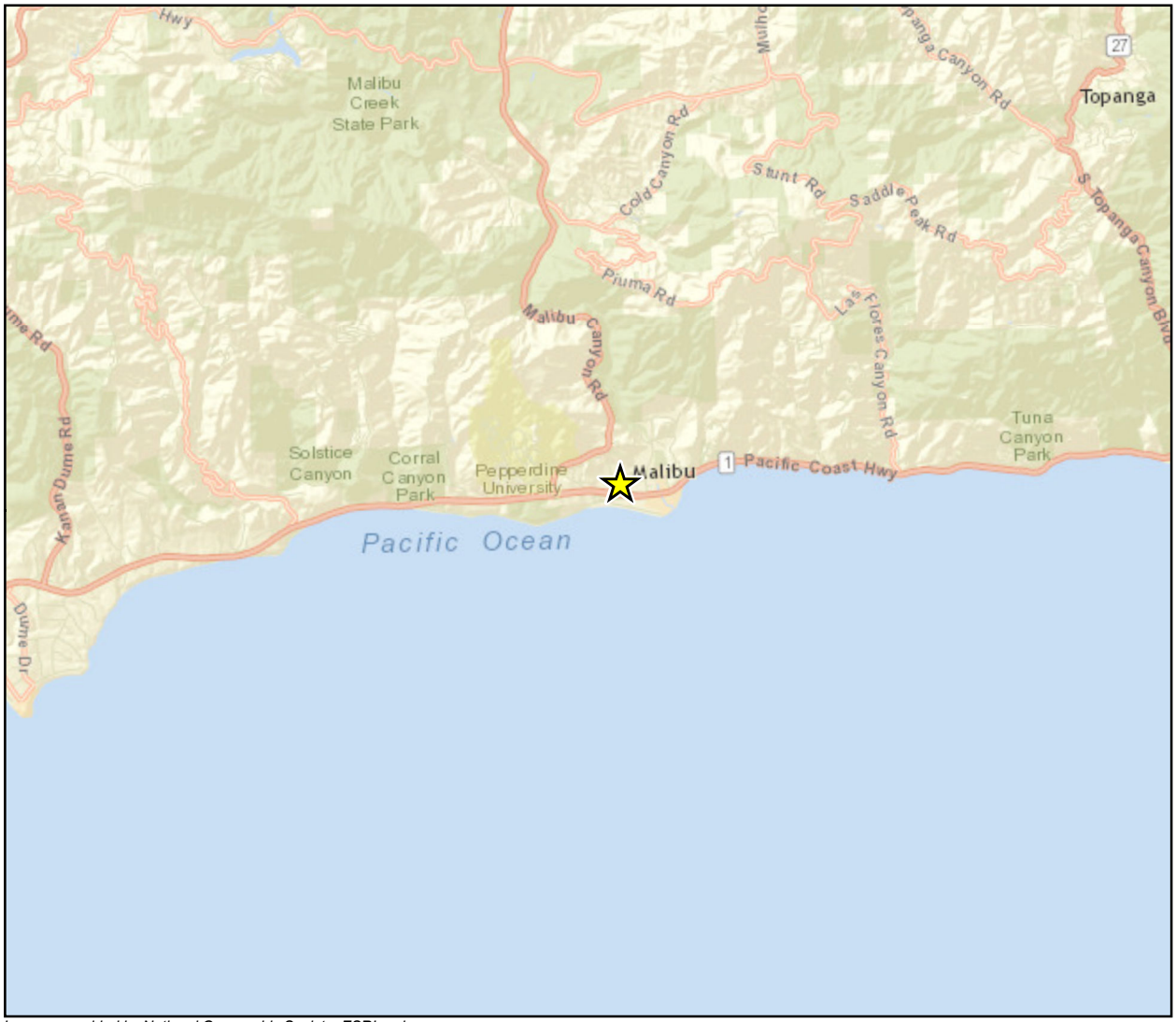
			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids (TDS)	Chloride
MCWP-MW05	154 feet	9/23/2015	-	-	-	**2.30**	-	-	-	-	-	**2.30**	-	-	-	**1,400**	-
		3/17/2016	-	-	-	**2.10**	-	-	-	-	-	**2.10**	-	-	-	**1,400**	-
		9/22/2016	-	-	-	**2.20**	-	-	-	-	-	**2.20**	-	-	-	**1,450**	-
		3/29/2017	-	-	-	**2.40**	-	-	-	-	-	**2.40**	-	-	-	**171**	-
		9/15/2017	-	-	-	**2.40**	-	-	-	-	-	**2.40**	-	-	-	**1,410**	-
		6/21/2018	-	-	-	**2.10**	-	-	-	-	-	**2.10**	-	-	-	**1,400**	-
		8/24/2018	**310**	<2	-	**1.04**	<0.1	**1.04**	<0.5	<0.1	<0.4	**1.04**	**0.305**	-	-	**2,700**	-
MCWP-MW06	138 feet	9/23/2015	-	-	-	**0.20**	-	-	-	-	-	**0.200**	-	-	-	**1,590**	-
		3/16/2016	-	-	-	**0.100**	-	-	-	-	-	**0.100**	-	-	-	**1,520**	-
		9/21/2016	-	-	-	<0.1	-	-	-	-	-	0.0	-	-	-	**1,550**	-
		3/28/2017	-	-	-	**3.60**	-	-	-	-	-	**3.60**	-	-	-	**383**	-
		9/14/2017	-	-	-	<0.1	-	-	-	-	-	0.0	-	-	-	**1,630**	-
		6/20/2018	-	-	-	**0.20**	-	-	-	-	-	**0.200**	-	-	-	**1,770**	-
		8/23/2018	<2	<2	-	<0.1	<0.1	<0.1	<0.5	**0.222**	**0.592**	**0.592**	**0.404**	-	--	**1,740**	-
MCWP-MW07S	20 feet	9/22/2015	**4.5**	<1.8	**28.8**	**6.50**	<0.1	**6.50**	<0.5	<0.2	<0.5	**6.71**	**0.451**	**0.41**	**294**	**1,230**	**227**
		3/16/2016	**49**	<1.8	-	**4.80**	**0.24**	-	<0.5	<0.2	<0.5	**5.04**	**2.39**	-	-	**1,180**	-
		9/20/2016	<1.8	<1.8	**22.8**	**5.20**	<0.1	**5.20**	<0.5	<0.2	<0.5	**5.20**	**0.545**	**0.39**	**234**	**1,160**	**217**
		3/30/2017	*Well not accessible at time of sampling*														
		9/12/2017	<1.8	<1.8	**22**	**5.00**	<0.1	**5.00**	<0.5	<0.2	<0.5	**5.00**	**0.214**	**0.387**	**268**	**1,150**	**201**
		6/20/2018	**24**	<1.8	-	**3.20**	<0.1	-	**0.566**	<0.2	**0.683**	**3.88**	**0.525**	-	-	**1,150**	-
		8/21/2018	**32**	<2	-	**3.95**	<0.1	**3.95**	<0.5	<0.1	**0.447**	**4.40**	**0.529**	**0.344**	**248**	**1,210**	**209**
MCWP-MW07D	130 feet	9/22/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.23**	<0.5	**0.524**	**0.318**	**0.476**	**1,010**	**2,300**	**348**
		3/16/2016	<1.8	<1.8	-	<0.1	<0.1	-	**1.15**	<0.2	**1.15**	**1.15**	**0.239**	-	-	**2,470**	-
		9/22/2016	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.283**	<0.5	<0.5	**0.125**	**0.412**	**474**	**1,680**	**229**
		3/30/2017	*Well not accessible at time of sampling*														
		9/15/2017	**13**	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.168**	<0.5	<0.5	**0.181**	**0.465**	**600**	**1,860**	**262**
		6/21/2018	**4.5**	<1.8	-	**2.00**	<0.1	-	<0.5	<0.2	<0.5	**2.00**	<0.1	-	-	**477**	-
		8/21/2018	**4**	<2	-	**0.18**	<0.1	**0.18**	<0.5	<0.1	**0.461**	**0.64**	**0.228**	**0.548**	**1,130**	**3,070**	**387**

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids (TDS)	Chloride
MCWP-MW09	95 feet	12/16/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	<0.2	**1.41**	**1.41**	**0.218**	**0.74**	**590**	**2,570**	**723**
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**0.840**	**2.36**	**3.20**	**3.20**	**0.355**	-	-	**2,410**	-
		9/21/2016	<1.8	<1.8	<0.4	<0.1	<2	<0.1	<0.5	**4.18**	**3.88**	**3.88**	<0.1	**0.972**	**807**	**4,920**	**1,740**
		3/29/2017	**13**	**7.8**	-	**1.40**	<0.1	-	**0.583**	<0.2	**0.731**	**2.13**	**0.336**	-	-	**1,070**	-
		9/13/2017	**2**	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**2.8**	**1.45**	**1.48**	**0.314**	**0.853**	**655**	**3,080**	**1,090**
		6/20/2018	**9.3**	<1.8	-	**0.100**	<0.1	-	<0.5	**3.19**	**1.51**	**1.61**	**0.139**	-	-	**2,460**	-
		8/22/2018	<2	<2	-	<0.1	<0.1	<0.1	<0.5	**2.32**	**2.20**	**2.20**	**0.372**	**0.808**	**620**	**2,280**	**703**
MCWP-MW10	22 feet	9/29/2015	**2**	<1.8	-	**0.400**	-	-	<1	<0.2	<1	**0.400**	<0.1	-	-	**1,550**	-
		3/15/2016	**2**	<1.8	-	**0.600**	<0.1	-	**1.28**	<0.2	**1.28**	**1.88**	<0.1	-	-	**1,800**	-
		9/20/2016	<1.8	<1.8	-	**0.700**	<0.1	-	<0.5	<0.2	<0.5	**0.700**	<0.1	-	-	**1,730**	-
		3/29/2017	<1.8	<1.8	-	**1.00**	<0.1	-	<0.5	<0.2	<0.5	**1.00**	<0.1	-	-	**1,990**	-
		9/14/2017	**17**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	<0.5	0.0	<0.1	-	-	**6,720**	-
		6/22/2018	<1.8	<1.8	-	**0.400**	<0.1	-	<0.5	<0.2	<0.5	**0.400**	**1.56**	-	-	**1,990**	-
		8/24/2018	<2	<2	-	<0.1	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.108**	-	-	**3,790**	-
TY-MW-1	41 feet	12/15/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**1.09**	**0.613**	**0.703**	**0.416**	**0.272**	**658**	**2,170**	**410**
		3/16/2016	<1.8	<1.8	-	<0.1	<0.1	-	**1.03**	**0.433**	**1.46**	**1.46**	**0.758**	-	-	**2,160**	-
		9/21/2016	<1.8	<1.8	**0.218**	<0.1	<0.1	<0.1	<0.5	**0.432**	<0.5	**0.516**	**1.64**	**0.286**	**610**	**2,290**	**396**
		3/29/2017	**4.5**	<1.8	-	**0.100**	<0.1	-	**3.38**	**0.310**	**3.69**	**3.79**	**6.08**	-	-	**2,140**	-
		9/14/2017	*Well not accessible at time of sampling*														
		6/20/2018	*Well replaced by SMBRP-11 for quarterly groundwater sampling*														
CCPE	52 feet	9/23/2015	>1,600	**49**	-	**1.40**	-	-	<1	<0.2	<1	**1.40**	<0.1	-	-	**1,630**	-
		3/15/2016	**240**	**4.5**	-	**0.900**	<0.1	-	**0.664**	<0.2	**0.664**	**1.56**	<0.1	-	-	**1,800**	-
		9/20/2016	**540**	<1.8	-	**0.900**	<0.1	-	<0.5	<0.2	<0.5	**0.900**	<0.1	-	-	**2,880**	-
		3/28/2017	>1,600	**350**	-	**0.600**	<0.1	-	**3.60**	**1.11**	**4.71**	**5.31**	**0.932**	-	-	**968**	-
		9/13/2017	**17**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	<0.5	0.0	**0.179**	-	-	**7,700**	-
		6/22/2018	**4.5**	<1.8	-	**1.60**	<0.1	-	**1.01**	<0.2	**1.01**	**2.61**	**0.683**	-	-	**690**	-
		8/24/2018	<2	<2	-	**2.00**	<0.1	**2.00**	<0.5	<0.1	<0.4	**2.00**	**0.194**	-	-	**1,380**	-

Notes:
bgs: below ground surface
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
<: below the laboratory reporting limit
- : not reported

Figures



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Project Location

N

0 1 2

Miles

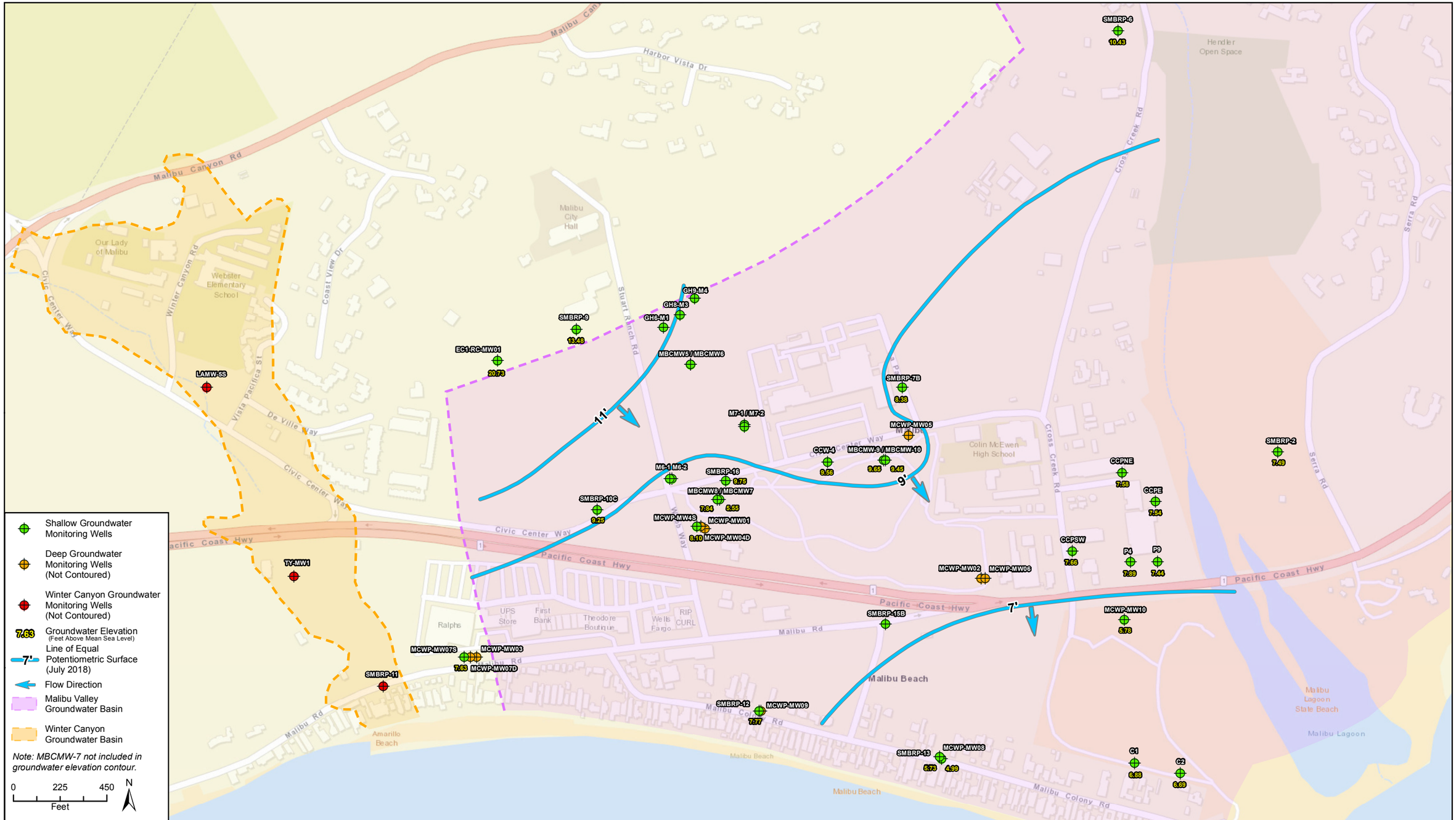
Vicinity Map

Figure 1

Imagery provided by Google and its licensors © 2018.

Site Map - Civic Center Area

Figure 2



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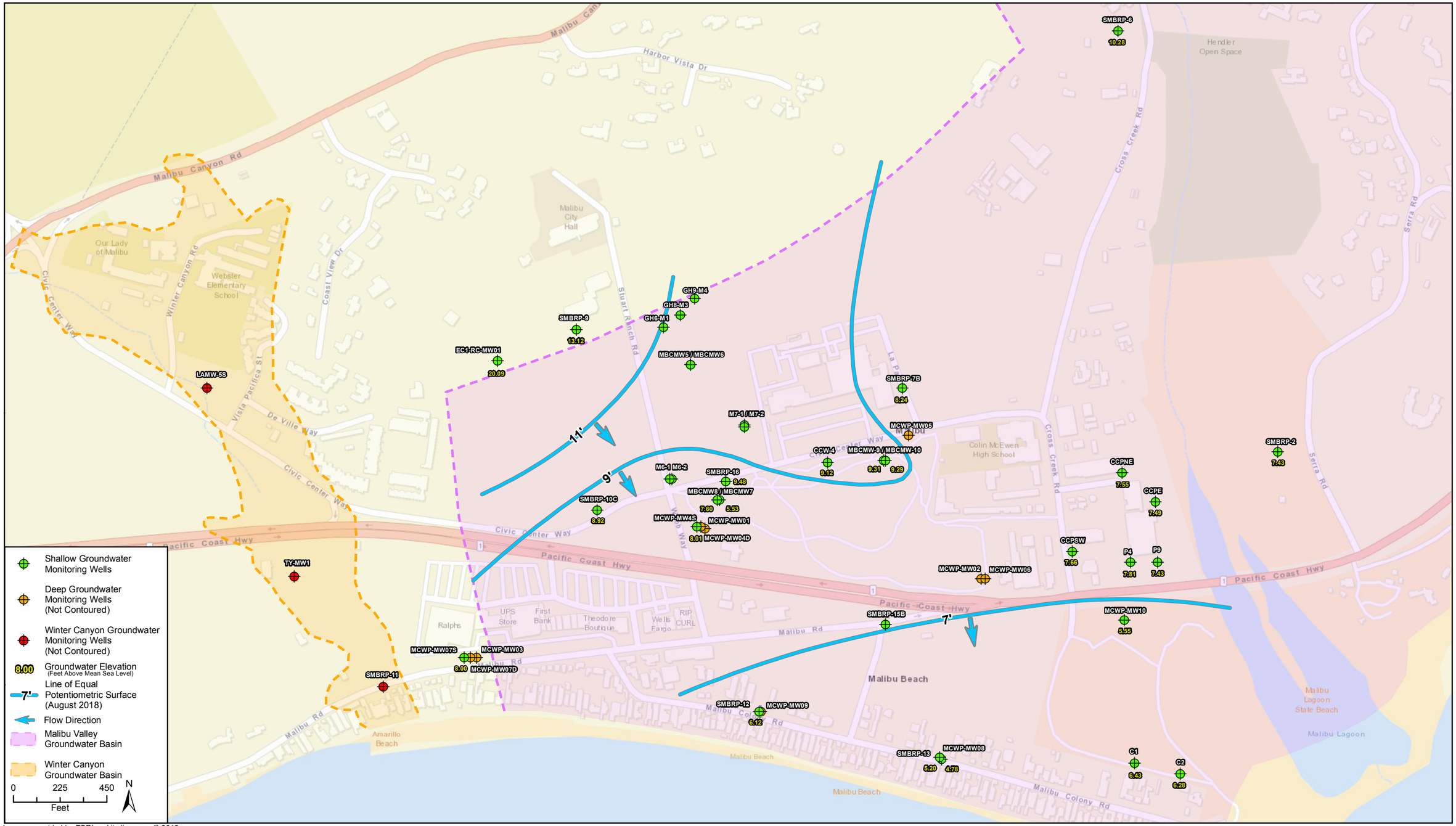
Shallow Groundwater Elevation
July 2018

Figure 3

Rincon Consultants Inc.



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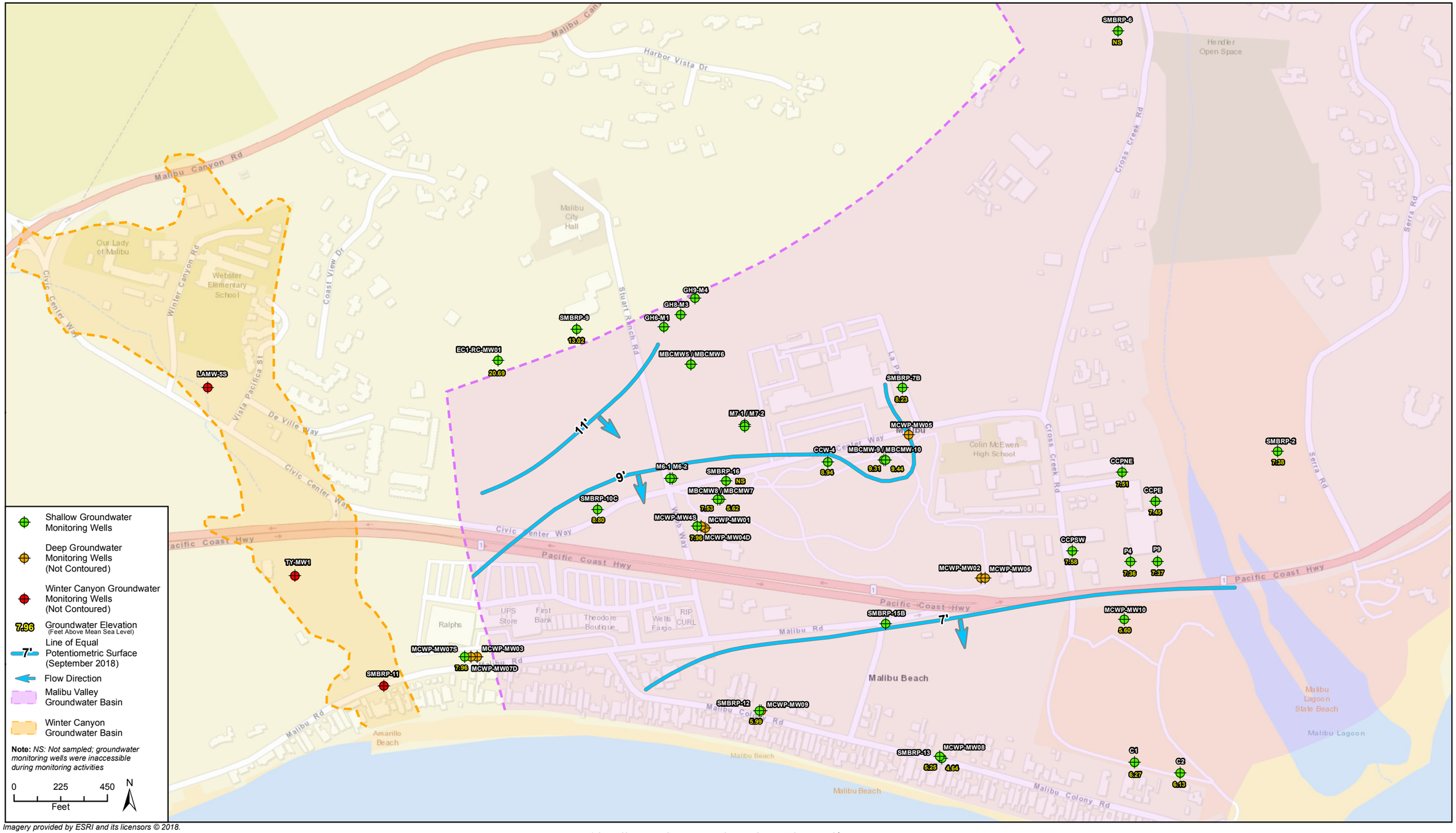
Shallow Groundwater Elevation
August 2018

Figure 4



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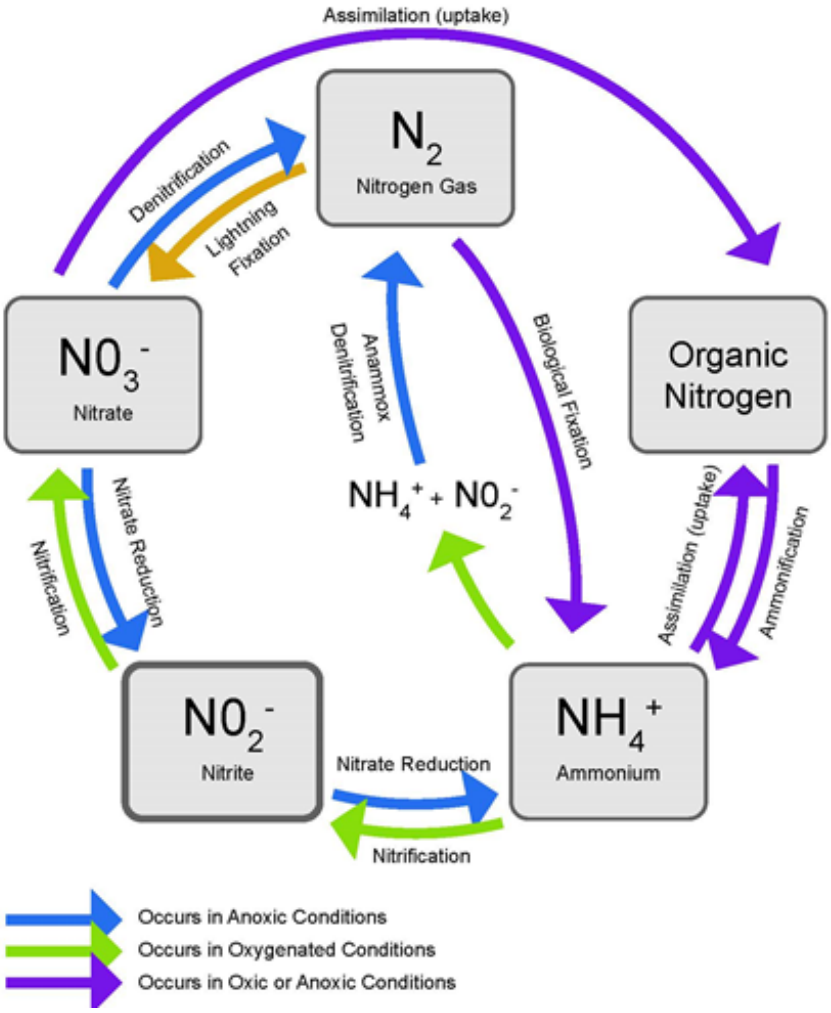
Shallow Groundwater Elevation
September 2018

Figure 5

Rincon Consultants Inc.



The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 7/10/2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition /Notes
C-1	14.5	n/a	11.47	4.59	1235	n/a	
C-2	14.5	2	11.19	4.50	1240	5.11	
CCPE	20	2	12.935	5.40	1021	5.76	
CCPNE		2	13.675	6.10	1030	6.44	
CCPSW		2	13.67	6.01	1035	6.29	2/2 B.M.
CCW-4		1	15.765	6.21	0925	6.5	1/2 T.S.
GH6-M1	35	2		27.80	1140	28.92	2/2 B.M.
GH8-M3	40	2		27.20	1136	28.37	2/2 B.M.
GH9-M4	45	2		29.20	1133	30.31	2/2 B.M.
Lagoon		n/a		N/A		n/a	
LAMW-5S	20	4	104.55	54.35	0902	53.71	1/2 T.S.
M6-1	45	2		6.43	1151	6.61	
M6-2	20	2		5.25	1149	5.76	
M7-1	40	2		7.50	1122	8.09	
M7-2	25	2		7.06	1124	7.78	
MBCMW-5	19.4	n/a	29.03	N/A		n/a	
MBCMW-6	64.26	n/a	29.02	N/A		n/a	
MBCMW-7	52.5	2	16.635	11.09	0915	11.26	CASING
MBCMW-8	10	2	16.53	8.69	0916	9.11	ABOVE
MBCMW-9	10	2	17.71	8.06	0936	8.7	—
MBCMW-10	53	2	17.74	8.29	0938	8.63	—
MCWP-MW01	148	6		10.14	1054	10.22	
MCWP-MW02	145	6	18.06	10.18	1039	10.39	
MCWP-MW03	134	6		7.90	1105	7.65	2/2 B.M.
MCWP-MW04D	148	4		9.24	1052	9.35	
MCWP-MW04S	20	4		7.19	1050	7.55	
MCWP-MW05	158	4		7.34	0944	7.62	
MCWP-MW06	153	2		9.64	1040	9.87	1/2 B.M.
MCWP-MW07D	134	2		7.74	1102	7.51	2/2 T.B.
MCWP-MW07S	20	2		6.09	1100	6.76	2/2 T.B.
MCWP-MW08	77	2		7.22	1210	7.64	
MCWP-MW09	95	2	16.3	7.40	1207	7.52	
MCWP-MW10	60	2		5.33	1244	5.7	1/2 T.B.
P-4	12.5	4	12.155	4.27	1015	4.58	2/2 B.M.
P-9	14.3	4	12.165	4.73	1016	5.07	2/2 B.M.
SMBRP-2	25	2	13.131	5.64	1009	6.04	~~2/2 B.M.~~
SMBRP-6	25	2	26.875	16.45	1000	16.49	1/2 T.S.
SMBRP-7b	45	2	18.985	10.61	0947	10.69	C.A.
SMBRP-8 (EG-RC MW01)	60	4		27.96	0851	28.74	1/2 T.S.
SMBRP-9	45	2	50.32	36.84	0845	38.24	—
SMBRP-10C	25	2	16.25	7.00	0855	7.37	C.A.
SMBRP-11	20	2	18.35	7.86	1214	8.88	
SMBRP-12	25	2	12.615	4.85	1209	5.69	
SMBRP-13	20	2	13.58	7.85	1110	8.32	
SMBRP-15b	25	1	16.765	DRY	1221	Dry	2/2 B.M. —8.66
SMBRP-16	25	2	14.5	4.75	0910	4.95	2/2 B.M.

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 8/24/2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition /Notes	
C-1	14.5	n/a	11.47	5.04	1425	n/a		
C-2	14.5	2	11.19	4.91	1430	5.11		
CCPE	20	2	12.935	5.45	1001	5.76	52.25	
CCPNE		2	13.675	6.13	1004	6.44		
CCPSW		2	13.67	6.01	1009	6.29		
CCW-4		1	15.765	6.65	0914	6.5		
GH6-M1	35	2		27.94	1116	28.92		
GH8-M3	40	2		29.5	1121	28.37		
GH9-M4	45	2		26.72	1109	30.31		
Lagoon		n/a		NA	NA	n/a		
LAMW-5S	20	4	104.55	53.69	0930*	53.71	74.00	8.22.18
M6-1	45	2		6.53	1131	6.61		
M6-2	20	2		5.38	1130	5.76		
M7-1	40	2		7.85	1045	8.09		
M7-2	25	2		7.57	1050	7.78		
MBCMW-5	19.4	n/a	29.03	~~6.53~~	~~1131~~	n/a	covered	
MBCMW-6	64.26	n/a	29.02	~~5.38~~	~~1130~~	n/a	covered	
MBCMW-7	52.5	2	16.635	11.11	0912	11.26		
MBCMW-8	10	2	16.53	8.93	0910	9.11		
MBCMW-9	10	2	17.71	8.40	0918	8.7	9.29	
MBCMW-10	53	2	17.74	8.45	0920	8.63		
MCWP-MW01	148	6		10.19	1020	10.22		
MCWP-MW02	145	6	18.06	10.32	1016	10.39		
MCWP-MW03	134	6		7.90	1154	7.65		
MCWP-MW04D	148	4		9.41	1022	9.35	145.35	
MCWP-MW04S	20	4		7.28	1025	7.55	20.40	
MCWP-MW05	158	4		7.50	0922	7.62	150.65	
MCWP-MW06	153	2		9.78	1015	9.87		
MCWP-MW07D	134	2		7.81	1150	7.51		
MCWP-MW07S	20	2		5.72	1144	6.76	17.6	
MCWP-MW08	77	2		7.43	1252	7.64		
MCWP-MW09	95	2	16.3	5.74	1238	7.52		
MCWP-MW10	60	2		5.56	0845	5.7		
P-4	12.5	4	12.155	4.35	0952	4.58		
P-9	14.3	4	12.165	4.74	0955	5.07		
SMBRP-2	25	2	13.131	5.70	0945	6.04		
SMBRP-6	25	2	26.875	16.60	0935	16.49		
SMBRP-7b	45	2	18.985	10.75	0925	10.69	25.07	
SMBRP-8 (EG-RC MW01)	60	4		28.60	0845	28.74		
SMBRP-9	45	2	50.32	37.20	0940	38.24	45.03	
SMBRP-10C	25	2	16.25	7.33	1120	7.37		
SMBRP-11	20	2	18.35	8.50	1209	8.88		
SMBRP-12	25	2	12.615	6.5	1234	5.69		
SMBRP-13	20	2	13.58	8.38	1255	8.32		
SMBRP-15b	25	1	16.765	DRY	1225	Dry		
SMBRP-16	25	2	14.5	5.02	0908	4.95		

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8-22-14
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-5S
Observation Period Start: 0820 Stop: 1240	Survey Reference Point: TOC
Sampled By: ~~Peter Shellenberger~~ PD	Witnessed By: PETER D., MICHELLE C.

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	72'
Well Diameter (in)	4	Depth of Well (ft)	74.00
Initial/Static Depth to Water (ft)	53.68	Length of Water Column (ft)	20.32
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	13.2	Three Casing Volumes (gal)	39.6
Purge Time, Start	0905	Purge Time, Stop	0921
Total Purge Time (minutes)	16 min	Purge Rate (gpm)	1.6'
Purge Volume (gal)		Depth to Water (ft) at Sampling	55.78

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					At Sampling
TDS (ppm)	336.5	649	346	—	DEWATERED			680
Turbidity (measured or visual) cloudy, clear, muddy	2413.8	580	1687		@ 28 gallons			34.8
Temperature (C)	23.2	22.5	23.0					24.8
Conductivity (micromhos)	499.4	946	511					1041
pH	6.61	6.73	6.92					6.84
Dissolved Oxygen (mg/L & %)	8.64/101.2	8.82/102.2	8.69/101.5					8.19/98.9
Comments:								
				Depth to Water at End of Purge (ft)	72.00			
				Drawdown (ft)	18.32			

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled at: 1240

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

53.68 + 0.2 * 18.32 = 57.34

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

21

Job No:	15-01587	Date:	8/20/18
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-7B
Observation Period	Start: 1314 Stop: 1326	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ P. DORAN.	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2in	Depth of Well (ft)	25.07
Initial/Static Depth to Water (ft)	10.75	Length of Water Column (ft)	14.71
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.35	Three Casing Volumes (gal)	7.06
Purge Time, Start	1318	Purge Time, Stop	1330
Total Purge Time (minutes)	12 min	Purge Rate (gpm)	0.3
Purge Volume (gal)	2.5	Depth to Water (ft) at Sampling	10.75

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	2 ½	~~5~~	~~7~~				At Sampling
TDS (ppm)	1503	1930	dewatered @					2044
Turbidity (measured or visual) cloudy, clear, muddy	7.96	101	4 gallons removed					237.2
Temperature (C)	24.6	24.0						23.6
Conductivity (micromhos)	3013	3869						3049
pH	7.16	7.24						7.03
Dissolved Oxygen (mg/L & %)	38.4	29.7						8.47/100.7
Comments:								
Depth to Water at End of Purge (ft)				24.6				
Drawdown (ft)				13.85				

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: PARTLY CLOUDY

Comments:

Sampled at: 1320 8/21

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.75 + 0.2 * 13.85 = 13.52

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/29/18
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0845 Stop: 0910	Survey Reference Point:	(TOC)
Sampled By:	~~Peter Shellenbarger~~ Michelle	Witnessed By:	Michelle C., JACK

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	NA
Well Diameter (in)	2	Depth of Well (ft)	45.03
Initial/Static Depth to Water (ft)	37.20	Length of Water Column (ft)	7.26
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.32	Three Casing Volumes (gal)	3.76
Purge Time, Start	0855	Purge Time, Stop	0909
Total Purge Time (minutes)	14	Purge Rate (gpm)	0.3
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling	37.2

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	3.0	4.0				At Sampling
TDS (ppm) mg/L	1798	910	924	1824				2008
Turbidity (measured or visual) cloudy, clear, muddy	4.0	16.7	76.3	102.6				87.5
Temperature (C)	22.5	22.4	22.4	22.4				23.2
Conductivity (micromhos)	2634	1340	1359	2667				3050
pH	6.97	7.09	7.15	7.16				7.10
Dissolved Oxygen (mg/L & %)	8.80/102.5	8.89/102.8	8.89/107.8	8.85/102.8				8.46/100.0
Comments:								
Depth to Water at End of Purge (ft)				44.21				
Drawdown (ft)				7.01				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast

Comments: Sampled at: 0830 8/23

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

37.20 + 0.2 * 7.01 = 38.60

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8.20.18
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-11
Observation Period	Start: 1230 Stop:	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ P. DORAN	Witnessed By:	

PURGING DATA

Type of Pump	HA	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	20.35
Initial/Static Depth to Water (ft)	8.50	Length of Water Column (ft)	11.85
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.9	Three Casing Volumes (gal)	5.6
Purge Time, Start	1235	Purge Time, Stop	1250
Total Purge Time (minutes)	15	Purge Rate (gpm)	—
Purge Volume (gal)	3.5	Depth to Water (ft) at Sampling	8.5

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	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
TDS (ppm)	1230	1299	WELL					755
Turbidity (measured or visual) cloudy, clear, muddy	640	>1000	DEWATERED @ 3.5					8.2
Temperature (C)	22.8	22.6						25.1
Conductivity (micromhos)	2651	2595						
pH	7.03	7.17						1166
Dissolved Oxygen (mg/L & %)	1.62/25.4	3.52/42.9						6.71
Comments:								8.11/98.7
				Depth to Water at End of Purge (ft)	20.02			
				Drawdown (ft)	11.52			

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled at: 1130 / 8.21.18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.50 + 0.2 * 11.52 = 10.90

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/22/18
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-12
Observation Period Start: 0945 Stop: 1030	Survey Reference Point: TOC
Sampled By: ~~Peter Shellenberger~~ P. DORAN	Witnessed By: —

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	22'
Well Diameter (in)	2 in	Depth of Well (ft)	24.94
Initial/Static Depth to Water (ft)	6.5	Length of Water Column (ft)	18.44
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.95	Three Casing Volumes (gal)	8.85
Purge Time, Start	0950	Purge Time, Stop	0957
Total Purge Time (minutes)	7 min	Purge Rate (gpm)	1.3
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	6.72

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	6	9				At Sampling
TDS (ppm)	1897.5	881	964	973				
Turbidity (measured or visual) cloudy, clear, muddy	210.2	15.8	5.0	2.5				
Temperature (C)	23.7	23.9	23.8	23.8				
Conductivity (micromhos)	2851	2838	2952	1472				
pH	7.01	7.08	7.09	7.13				
Dissolved Oxygen (mg/L & %)	8.44/100.5	8.38/100.2	8.41/100.3	8.43/100.3				
Comments:								
Depth to Water at End of Purge (ft)				7.95				
Drawdown (ft)				1.45				

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments:

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

Sampled at: 1030

6.50 + 0.2 * 1.45 = 6.79

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/22/18
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-13
Observation Period Start: 1155 Stop: 1230	Survey Reference Point: TOC
Sampled By: ~~Peter Shellenbarger~~ P. DORAN	Witnessed By: PETER D., MICHELLE C.

PURGING DATA

Type of Pump	Elect Sub.	Pump Inlet Depth (ft)	191
Well Diameter (in)	2	Depth of Well (ft)	19.45
Initial/Static Depth to Water (ft)	8.38	Length of Water Column (ft)	10.97
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.75	Three Casing Volumes (gal)	5.3
Purge Time, Start	1157	Purge Time, Stop	1203
Total Purge Time (minutes)	6	Purge Rate (gpm)	1-0
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.39

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	4	6				At Sampling
TDS (ppm)	3135	1674	1723	3169				
Turbidity (measured or visual) cloudy, clear, muddy	48.6	13.5	14.5	8.0				
Temperature (C)	22.3	22.2	21.9	21.9				
Conductivity (micromhos)	4560	2327	2487	4584				
pH	6.92	6.99	6.97	7.03				
Dissolved Oxygen (mg/L & %)	8.77/102.5	8.87/102.6	8.96/103.1	8.91/103.2				
Comments:								
Depth to Water at End of Purge (ft)				8.40				
Drawdown (ft)				0.02				

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments:

Sampled at: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.38 + 0.2 * 0.02 = 8.38

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.23.18
Project/Location Malibu, CA Civic Center Area	Well Number: MBCMW-9
Observation Period Start: 0900 Stop: 0910	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenbarger~~ P. DORAN	Witnessed By: —

PURGING DATA

Type of Pump	HB	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	9.29
Initial/Static Depth to Water (ft)	8.40	Length of Water Column (ft)	0.89
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.14	Three Casing Volumes (gal)	0.43
Purge Time, Start	0900	Purge Time, Stop	0910
Total Purge Time (minutes)	10	Purge Rate (gpm)	—
Purge Volume (gal)	0.25	Depth to Water (ft) at Sampling	8.50

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	0.25						At Sampling
TDS (ppm)	396	392						
Turbidity (measured or visual) cloudy, clear, muddy	>1000	>1000	WELL		8/24/18			
Temperature (C)	23.4	23.3	DEWATERED			RETURNED TO		
Conductivity (micromhos)	7.40	7.40	@ 0.25 GAL.			WELL, ATTEMPTED TO		
pH	7.33	7.33				SAMPLE INSUF.		
Dissolved Oxygen (mg/L & %)	4.72/56.4	4.91/57.0				WATER		
Comments:								
				Depth to Water at End of Purge (ft)	9.10			
				Drawdown (ft)	0.70			

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear.

Comments: Sampled at: —

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.40 + 0.2 * 0.70 = 8.54

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/20/18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1342 Stop: 1400	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	MC, PD

PURGING DATA

Type of Pump	ELECTRIC SUBMERSIBLE	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4 in	Depth of Well (ft)	20.40
Initial/Static Depth to Water (ft)	7.28	Length of Water Column (ft)	13.12
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.53	Three Casing Volumes (gal)	25.6
Purge Time, Start	1350	Purge Time, Stop	1356
Total Purge Time (minutes)	6 min	Purge Rate (gpm)	2.0
Purge Volume (gal)	12.0	Depth to Water (ft) at Sampling	7.34

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	9.0	12.0					At Sampling
TDS (ppm)	2000	2000	|					3.51 ppT
Turbidity (measured or visual) cloudy, clear, muddy	76.8	27.5	Well					49.2
Temperature (C) F	74.7	74.7	dewatered @ 12 gal.					26.1 C
Conductivity (micromhos)	4050	6904						6.51 mS
pH	7.34	7.21						7.53
Dissolved Oxygen (mg/L & %)	8.49	8.31						3.51/43.9
Comments:								
				Depth to Water at End of Purge (ft)	19.88			
				Drawdown (ft)	12.60			

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: PARTLY CLOUDY

Comments:

Sampled at: 1200 8/21/18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.28 + 0.2 * 12.6 = 19.80

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8.23.16
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04D
Observation Period	Start: 1015 Stop:	Survey Reference Point:	(TOC)
Sampled By:	~~Peter Shellenbarger~~ P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	140'
Well Diameter (in)	4	Depth of Well (ft)	145.35
Initial/Static Depth to Water (ft)	9.41	Length of Water Column (ft)	135.94
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.4	Three Casing Volumes (gal)	265.1
Purge Time, Start	~~1020~~ 0950	Purge Time, Stop	1200
Total Purge Time (minutes)	130	Purge Rate (gpm)	2.0
Purge Volume (gal)	265.5	Depth to Water (ft) at Sampling	9.41

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88.5	177	265.5				At Sampling
TDS (ppm)	1318	~~1314~~	1475	1483				
Turbidity (measured or visual) cloudy, clear, muddy	~~1656~~ 14.2	2.2	~~22~~ 1.77	1.45				
Temperature (C)	22.5	22.0	22.9	22.9				
Conductivity (micromhos)	1929	~~2058~~	2167	2191				
pH	6.89	6.99	6.90	6.81				
Dissolved Oxygen (mg/L & %)	8.71/101.2	8.31/99.1	8.68/101.2	8.58/100.5				
Comments:								
Depth to Water at End of Purge (ft)				9.52				
Drawdown (ft)				0.01				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled at: 1200

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.41 + 0.2 * 0.1 = 9.43

0082

50g 1.72g
29m 1ml

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/24/18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW05
Observation Period	Start: 0815 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ RT	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub	Pump Inlet Depth (ft)	140
Well Diameter (in)	4	Depth of Well (ft)	150.65
Initial/Static Depth to Water (ft)	7.50	Length of Water Column (ft)	143.15
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	93.04	Three Casing Volumes (gal)	279.1
Purge Time, Start	0823	Purge Time, Stop	1100
Total Purge Time (minutes)	157	Purge Rate (gpm)	1.8
Purge Volume (gal)	279.5	Depth to Water (ft) at Sampling	7.51

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	93.0	186.0	279.5				At Sampling
TDS (ppm)	1222	1274	1263	1246				
Turbidity (measured or visual) cloudy, clear, muddy	1.79	1.54	1.76	1.52				
Temperature (C)	19.4	20.9	19.8	20.4				
Conductivity (micromhos)	1668	1778	1740	1745				
pH	6.8	6.95	7.09	6.97				
Dissolved Oxygen (mg/L & %)	9.56/104.5	9.12/102.6	9.46/104.1	9.24/103				
Comments:								
Depth to Water at End of Purge (ft)				7.64				
Drawdown (ft)				0.14				

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled at: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.50 + 0.2 * 0.14 = 7.52

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8-23-18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW06
Observation Period	Start: 0530 Stop: 0930	Survey Reference Point:	TOC
Sampled By:	Peter ~~Shellenbarger~~ PETER DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	ELECT. SUB.	Pump Inlet Depth (ft)	130'
Well Diameter (in)	2	Depth of Well (ft)	136.78
Initial/Static Depth to Water (ft)	9.78	Length of Water Column (ft)	127.00
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.3	Three Casing Volumes (gal)	60.9
Purge Time, Start	0855	Purge Time, Stop	0925
Total Purge Time (minutes)	30	Purge Rate (gpm)	2.0
Purge Volume (gal)	61.0	Depth to Water (ft) at Sampling	9.80

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	41.0	61.0				At Sampling
TDS (ppm)	1470	1334	1326	1323				
Turbidity (measured or visual) cloudy, clear, muddy	8.2	4.2	3.1	2.6				
Temperature (C)	20.3	21.1	20.9	20.9				
Conductivity (micromhos)	2997	2764	2660	2647				
pH	7.36	7.36	7.38	7.38				
Dissolved Oxygen (mg/L & %)	1.82/18.4	1.42/15.2	1.34/14.8	1.30/14.5				
Comments:								
Depth to Water at End of Purge (ft)				10.03				
Drawdown (ft)				0.25				

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments:

Sampled at: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.78 + 0.2 * 0.25 = 9.83

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8·20·15
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW07S
Observation Period	Start: 0700 Stop: 1230	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ R. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	HA	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	17.20
Initial/Static Depth to Water (ft)	5.72	Length of Water Column (ft)	11.48
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.5
Purge Time, Start	1215	Purge Time, Stop	1225
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.2
Purge Volume (gal)	2.0	Depth to Water (ft) at Sampling	5.72

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						6.2 At Sampling
TDS (ppm)	943	943						1228
Turbidity (measured or visual) cloudy, clear, muddy	624	871	WELL SEDIMENT					23.0
Temperature (C)	23.0	22.6	C					22.2
Conductivity (micromhos)	1892	1888	2.0					1792
pH	7.61	7.64						7.18
Dissolved Oxygen (mg/L & %)	1.73/21.0	2.83/31.9						8.91/103.0
Comments:								
			Depth to Water at End of Purge (ft)	17.0				
			Drawdown (ft)	11.28				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments:

Sampled at: 0925 8.21.15

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.72 + 0.2 * 11.28 = 5.80

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 9.21.19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07D
Observation Period Start: 0900 Stop: 1100	Survey Reference Point: TOC
Sampled By: ~~Peter Shellenbarger~~ P DORAN	Witnessed By: —

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	129.60
Initial/Static Depth to Water (ft)	7.81	Length of Water Column (ft)	120.79
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.3	Three Casing Volumes (gal)	57.9
Purge Time, Start	0920	Purge Time, Stop	1055
Total Purge Time (minutes)	95	Purge Rate (gpm)	0.6
Purge Volume (gal)	58.0	Depth to Water (ft) at Sampling	7.82

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39.0	58.0				At Sampling
TDS (ppm)	1639	1775	1782	1788				
Turbidity (measured or visual) cloudy, clear, muddy	>1000	57.6	18.1	15.6				
Temperature (C)	22.3	23.7	23.4	23.4				
Conductivity (micromhos)	3282	3568	3562	3561				
pH	7.44	7.27	7.27	7.28				
Dissolved Oxygen (mg/L & %)	0.84/9.6	0.42/4.9	0.38/3.9	0.36/3.9				
Comments:								
Depth to Water at End of Purge (ft)				8.12				
Drawdown (ft)				0.31				

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled at: 1100

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.81 + 0.2 * 0.31 = 7.87

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/22
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW09
Observation Period	Start: 1045 Stop:	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ P.D	Witnessed By:	Peter D., Michelle C.

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	86'
Well Diameter (in)	2	Depth of Well (ft)	89.20
Initial/Static Depth to Water (ft)	5.74	Length of Water Column (ft)	83.46
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.35	Three Casing Volumes (gal)	40.1
Purge Time, Start	~~1054~~ 1040	Purge Time, Stop	1104
Total Purge Time (minutes)	24	Purge Rate (gpm)	1.7
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	5.75

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	13.5	27	40.5				At Sampling
TDS (ppm)	1924	2444	2462	2394				
Turbidity (measured or visual) cloudy, clear, muddy	5.3	91.6	108	45.6				
Temperature (C)	22.4	21.8	21.7	21.8				
Conductivity (micromhos)	2812	3536	3557	3460				
pH	7.36	7.28	7.31	7.35				
Dissolved Oxygen (mg/L & %)	8.79/102.3	8.96/103.3	8.97/103.3	8.97/103.3				
Comments:								
Depth to Water at End of Purge (ft)				6.76				
Drawdown (ft)				1.02				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments:

Sampled at: 1130

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.74 + 0.2 * 1.02 = 5.94

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	9.24.14
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW 10
Observation Period	Start: 0945 Stop: 0900	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	21'
Well Diameter (in)	2	Depth of Well (ft)	22.16
Initial/Static Depth to Water (ft)	5.56	Length of Water Column (ft)	16.60
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.65	Three Casing Volumes (gal)	7.9
Purge Time, Start	0950	Purge Time, Stop	0958
Total Purge Time (minutes)	8	Purge Rate (gpm)	1.0
Purge Volume (gal)	8.0	Depth to Water (ft) at Sampling	5.56

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	5.5	8.0				At Sampling
TDS (~~ppm~~) ppt	2.18	2.12	2.10	2.09				
Turbidity (measured or visual) cloudy, clear, muddy	42.6	22.9	16.4	12.4				
Temperature (C)	22.1	22.1	22.2	22.2				
Conductivity (~~micromhos~~) mS	4.12	4.02	3.99	3.94				
pH	7.03	7.17	7.19	7.22				
Dissolved Oxygen (mg/L & %)	1.87/21.3	3.79/38.1	4.11/42.6	4.18/49.3				
Comments:								
Depth to Water at End of Purge (ft)				5.57				
Drawdown (ft)				0.01				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled at: 0900

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.56 + 0.2 * 0.01 = 5.56

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3.24.15	
Project/Location Malibu, CA Civic Center Area		Well Number: CCPE	
Observation Period Start: 0935	Stop: 1000	Survey Reference Point: (TOC)	
Sampled By: ~~Peter Shellenbarger~~ Q. DORAN		Witnessed By: —	

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	50'
Well Diameter (in)	2	Depth of Well (ft)	52.28
Initial/Static Depth to Water (ft)	5.45	Length of Water Column (ft)	46.83
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.5	Three Casing Volumes (gal)	22.5
Purge Time, Start	0940	Purge Time, Stop	0955
Total Purge Time (minutes)	15	Purge Rate (gpm)	1.4
Purge Volume (gal)	22.5	Depth to Water (ft) at Sampling	5.47

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	7.5	15.0	22.5				At Sampling
TDS (~~ppm~~) PPT	1.16	1.58	1.61	1.63				
Turbidity (measured or visual) cloudy, clear, muddy	14.6	4.5	4.1	3.6				
Temperature (C)	20.8	20.3	20.2	20.2				
Conductivity (~~micromhos~~) MS	2.20	3.04	3.06	3.08				
pH	7.52	7.37	7.36	7.36				
Dissolved Oxygen (mg/L & %)	2.07/23.4	2.01/22.1	1.98/21.8	1.95/21.4				
Comments:								
Depth to Water at End of Purge (ft)				5.60				
Drawdown (ft)				0.15				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled at: 1000

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.45 + 0.2 * 0.15 = 5.48

Table 1

Groundwater Monitoring Well Construction MICHELLE CARTER

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water ~~1/22/2018~~ 9/17/2018	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	5.2	1120	n/a
2	C-2	14.5	2	11.19	5.06	1110	5.11
3	CCPE	20	2	12.935	5.49	1440	5.76
4	CCPNE		2	13.675	6.17	1436	6.44
5	CCPSW		2	13.67	6.09	1506	6.29
6	CCW-4		1	15.765	6.83	1417	6.5
7	GH6-M1	35	2		28.16		28.92
8	GH8-M3	40	2		27.76	1228	28.37
9	GH9-M4	45	2		— BURIED	—	30.31
10	Lagoon		n/a		—	—	n/a
11	LAMW-5S	20	4	104.55	53.0	1320	53.71
12	M6-1	45	2		6.6	1250	6.61
13	M6-2	20	2		5.5	1251	5.76
14	M7-1	40	2		8.17	1256	8.09
15	M7-2	25	2		7.88	1258	7.78
16	MBCMW-5	19.4	n/a	29.03	— BURIED	—	n/a
17	MBCMW-6	64.26	n/a	29.02	— BURIED	—	n/a
18	MBCMW-7	52.5	2	16.635	11.02	1348	11.26
19	MBCMW-8	10	2	16.53	9.0	1345	9.11
20	MBCMW-9	10	2	17.71	8.4	1420	8.7
21	MBCMW-10	53	2	17.74	8.3	1421	8.63
22	MCWP-MW01	148	6		10.50	1336	10.22
23	MCWP-MW02	145	6	18.06	10.45	1517	10.39
24	MCWP-MW03	134	6		7.81	0956	7.65
25	MCWP-MW04D	148	4		9.20	1332	9.35
26	MCWP-MW04S	20	4		7.33	1330	7.55
27	MCWP-MW05	158	4		7.41 ~~152.89~~	0934	7.62
28	MCWP-MW06	153	2		9.6	1510	9.87
29	MCWP-MW07D	134	2		7.73	1005	7.51
30	MCWP-MW07S	20	2		5.76	1000	6.76
31	MCWP-MW08	77	2		7.57	1041	7.64
32	MCWP-MW09	95	2	16.3	5.77	1030	7.52
33	MCWP-MW10	60	2		5.51	1100	5.7
34	P-4	12.5	4	12.155	4.8	1500	4.58
35	P-9	14.3	4	12.165	4.8	1448	5.07
36	SMBRP-2	25	2	13.131	5.75	1148	6.04
37	SMBRP-6	25	2	26.875	— DOG	1210	16.49
38	SMBRP-7b	45	2	18.985	10.76	0950	10.69
39	SMBRP-8 (EG-RC	60	4		28.0	1307	28.74
40	SMBRP-9	45	2	50.32	37.3 ~~44.97~~	0920	38.24
41	SMBRP-10C	25	2	16.25	7.45	1314	7.37
42	SMBRP-11	20	2	18.35	8.33	1010	8.88
43	SMBRP-12	25	2	12.615	6.63	1025	5.69
44	SMBRP-13	20	2	13.58	8.33	1037	8.32
45	SMBRP-15b	25	1	16.765	DRY	1047	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	~~BURIED~~ covered	—	4.95

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 405734
Report Date: 09/21/2018
Date Received: 08/21/2018
Client ID: 15888

Comments: Malibu - Annual

This report contains all work performed directly by Enthalpy analytical plus all subcontract analyses except for EPA 1694M.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405734-001	SMBRP-11
405734-002	MCWP-MW04S
405734-003	MCWP-MW07S
405734-004	MCWP-MW07D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/21/2018 11:30 **Site:**
Sample #: 405734-001 **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.7**	1	0.04	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**16.1**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194656
Boron	**0.586**	1	0.009	0.05	mg/L	08/22/18	08/22/18	KLN	
Calcium	**176**	1	0.038	0.1	mg/L	08/22/18	08/27/18	KLN	
Iron	**12.7**	1	0.012	0.02	mg/L	08/22/18	08/22/18	KLN	
Magnesium	**73.8**	1	0.016	0.1	mg/L	08/22/18	08/22/18	KLN	
Manganese	**1.16**	1	0.001	0.01	mg/L	08/22/18	08/22/18	KLN	
Potassium	**6.67**	1	0.24	0.5	mg/L	08/22/18	08/27/18	KLN	
Sodium	**221**	1	0.15	0.5	mg/L	08/22/18	08/27/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**3.42**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**1.74 J**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	J
Zinc	**79.6**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194632
Chloride	**292**	10	0.9	10	mg/L	08/21/18	08/21/18 23:26	CO	
Nitrate + Nitrite, as Nitrogen	**14.5**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:15	CO	
Nitrate, as Nitrogen	**14.5**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:15	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/21/18	08/21/18 20:15	CO	
Sulfate	**320**	10	0.87	10	mg/L	08/21/18	08/21/18 23:26	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 508 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194679
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/22/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/22/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/22/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 11:30	**Site:**			
Sample #:	**405734-001**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/22/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/22/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/22/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/22/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/22/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/22/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/22/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/22/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/22/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/22/18	LZ	
Chloroform	**0.32 J**	1	0.103	0.5	ug/L		08/22/18	LZ	J
Chloromethane	ND	1	0.095	0.5	ug/L		08/22/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/22/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/22/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/22/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/22/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/22/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/22/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/22/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/22/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/22/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/22/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/22/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/22/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/22/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*101*	*70-145*	
4-Bromofluorobenzene (SUR)	*102*	*70-145*	
Dibromofluoromethane (SUR)	*109*	*70-145*	
Toluene-d8 (SUR)	*95*	*70-145*	

Method:	Prep Method:		QCBatchID:
EPA 525.2	Method		
See Attached		1	
EPA 531.1	Method		
See Attached		1	
EPA 547	Method		
See Attached		1	
EPA 548.1	Method		
See Attached		1	
EPA 549.2	Method		
See Attached		1	
EPA 552.2	See Attached		
See Attached		1	

Method: EPA 624	Prep Method: 5030B						QCBatchID: QC1194680		
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/22/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/22/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/22/18	LZ	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/21/2018 11:30 **Site:**
Sample #: 405734-001 **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*			*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*101*			*70-135*					
4-Bromofluorobenzene (SUR)	*102*			*70-135*					
Dibromofluoromethane (SUR)	*109*			*70-135*					
Toluene-d8 (SUR)	*95*			*70-135*					
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194657
Color	ND	1	5	5	Color Unit		08/22/18 10:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194659
Turbidity	**20**	1	0.1	0.1	NTU		08/22/18 10:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194658
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 10:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**320**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.22**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194824
Total Dissolved Solids	**1610**	2	20	20	mg/L	08/23/18	08/24/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**125**	2	1	1	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194654
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/22/18 10:15	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.426**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194687
pH	**7.07**	1			pH Units		08/22/18 13:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	**0.911**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**1.6**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195029
Total Phosphorous as P	**0.097**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.297**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 11:30	**Site:**			
Sample #:	**405734-001**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1194795		
Total Organic Carbon (TOC)	**9.99**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1194642		
MBAS	**0.085 J**	2.5	0.045	0.1	mg/L	08/21/18 17:00	08/21/18 21:55	NP	J
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194683		
Fecal Coliform	**<2**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 12:00	**Site:**			
Sample #:	**405734-002**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.28**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1194656
Boron	**1.92**	1	0.009	0.05	mg/L	08/22/18	08/22/18	KLN	
Calcium	**569**	1	0.038	0.1	mg/L	08/22/18	08/27/18	KLN	
Iron	**5.36**	1	0.012	0.02	mg/L	08/22/18	08/22/18	KLN	
Magnesium	**295**	1	0.016	0.1	mg/L	08/22/18	08/22/18	KLN	
Manganese	**0.238**	1	0.001	0.01	mg/L	08/22/18	08/22/18	KLN	
Potassium	**3.42**	1	0.24	0.5	mg/L	08/22/18	08/27/18	KLN	
Sodium	**972**	1	0.15	0.5	mg/L	08/22/18	08/27/18	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1194832
Arsenic	**25.2**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**134**	2	0.78	4	ug/L	08/27/18	08/30/18	CO	
Zinc	**41.2**	2	5.4	20	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1194632
Chloride	**723**	10	0.9	10	mg/L	08/21/18	08/21/18 23:44	CO	
Nitrate + Nitrite, as Nitrogen	**0.08 J**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:15	CO	J
Nitrate, as Nitrogen	**0.08 J**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:32	CO	J
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/21/18	08/21/18 20:32	CO	
Sulfate	**2760**	50	4.35	50	mg/L	08/21/18	08/24/18 20:48	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID:		QC1194912
Perchlorate	ND	10	11	20	ug/L	08/28/18	08/28/18	CO	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID:		QC1194679
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/22/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/22/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/22/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 12:00	**Site:**			
Sample #:	**405734-002**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/22/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/22/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/22/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/22/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/22/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Benzene	**2.1**	1	0.124	0.5	ug/L		08/22/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/22/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/22/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/22/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/22/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/22/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/22/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/22/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/22/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/22/18	LZ	
m and p-Xylene	**0.35 J**	1	0.278	0.5	ug/L		08/22/18	LZ	J
Methylene chloride	ND	1	0.155	0.5	ug/L		08/22/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/22/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/22/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/22/18	LZ	
Toluene	**1.1**	1	0.142	0.5	ug/L		08/22/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/22/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/22/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/22/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/22/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/22/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*102*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*98*	*70-145*	

Method:	Prep Method:		QCBatchID:
EPA 525.2	Method		
See Attached		1	
EPA 531.1	Method		
See Attached		1	
EPA 547	Method		
See Attached		1	
EPA 548.1	Method		
See Attached		1	
EPA 549.2	Method		
See Attached		1	
EPA 552.2	See Attached		
See Attached		1	

Method: EPA 624	Prep Method: 5030B						QCBatchID: QC1194680		
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/22/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/22/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/22/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 12:00	**Site:**			
Sample #:	**405734-002**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*					
1,2-Dichloroethane-d4 (SUR)	*95*		*70-135*						
4-Bromofluorobenzene (SUR)	*102*		*70-135*						
Dibromofluoromethane (SUR)	*107*		*70-135*						
Toluene-d8 (SUR)	*98*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194657
Color	ND	1	5	5	Color Unit		08/22/18 10:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194659
Turbidity	**38**	1	0.1	0.1	NTU		08/22/18 10:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194658
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 10:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**600**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**1.16**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194824
Total Dissolved Solids	**6350**	2	20	20	mg/L	08/23/18	08/24/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**12.7**	1.05	0.525	0.525	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194654
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/22/18 10:15	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.701**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194687
pH	**7.45**	1			pH Units		08/22/18 13:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195029
Total Phosphorous as P	**0.242**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.742**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 12:00	**Site:**			
Sample #:	**405734-002**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1194795		
Total Organic Carbon (TOC)	**29.1**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1194642		
MBAS	**0.081**	1	0.018	0.04	mg/L	08/21/18 17:00	08/21/18 21:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194682		
Fecal Coliform	**<2**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	
Total Coliform	**660**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/21/2018 09:25 **Site:**
Sample #: 405734-003 **Client Sample #:** MCWP-MW07S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.04	0.5	mg/L		08/31/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.40**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194656
Boron	**0.344**	1	0.009	0.05	mg/L	08/22/18	08/22/18	KLN	
Calcium	**94.7**	1	0.038	0.1	mg/L	08/22/18	08/27/18	KLN	
Iron	**11.8**	1	0.012	0.02	mg/L	08/22/18	08/22/18	KLN	
Magnesium	**94.8**	1	0.016	0.1	mg/L	08/22/18	08/22/18	KLN	
Manganese	**0.616**	1	0.001	0.01	mg/L	08/22/18	08/22/18	KLN	
Potassium	**5.35**	1	0.24	0.5	mg/L	08/22/18	08/27/18	KLN	
Sodium	**170**	1	0.15	0.5	mg/L	08/22/18	08/27/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**6.92**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**1.93 J**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	J
Zinc	**33.5**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194632
Chloride	**209**	10	0.9	10	mg/L	08/21/18	08/22/18 00:02	CO	
Nitrate + Nitrite, as Nitrogen	**3.95**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:49	CO	
Nitrate, as Nitrogen	**3.95**	1	0.017	0.1	mg/L	08/21/18	08/21/18 20:49	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/21/18	08/21/18 20:49	CO	
Sulfate	**248**	10	0.87	10	mg/L	08/21/18	08/22/18 00:02	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 508 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194679
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/22/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/22/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/22/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 09:25	**Site:**			
Sample #:	**405734-003**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/22/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/22/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/22/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/22/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/22/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/22/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/22/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/22/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/22/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/22/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/22/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/22/18	LZ	
cis-1,2-Dichloroethene	**0.46 J**	1	0.114	0.5	ug/L		08/22/18	LZ	J
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/22/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/22/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/22/18	LZ	
Methylene chloride	**0.25 J**	1	0.155	0.5	ug/L		08/22/18	LZ	J
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/22/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/22/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/22/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/22/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/22/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/22/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/22/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/22/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*101*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*96*	*70-145*	

Method: EPA 525.2	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 531.1	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 547	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 548.1	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 549.2	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 552.2	Prep Method: See Attached		QCBatchID:
See Attached		1	

Method: EPA 624	Prep Method: 5030B						QCBatchID:	QC1194680
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/22/18	LZ
Acrolein	ND	1	3.3	5	ug/L		08/22/18	LZ
Acrylonitrile	ND	1	1.6	2	ug/L		08/22/18	LZ

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 09:25	**Site:**			
Sample #:	**405734-003**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*95*		*70-135*						
4-Bromofluorobenzene (SUR)	*101*		*70-135*						
Dibromofluoromethane (SUR)	*107*		*70-135*						
Toluene-d8 (SUR)	*96*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194657
Color	ND	1	5	5	Color Unit		08/22/18 10:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194659
Turbidity	**110**	1	0.1	0.1	NTU		08/22/18 10:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194658
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 10:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**440**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.56**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194824
Total Dissolved Solids	**1210**	2	20	20	mg/L	08/23/18	08/24/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**385**	4	2	2	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194654
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/22/18 10:15	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.387**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194687
pH	**7.52**	1			pH Units		08/22/18 13:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**0.447**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195029
Total Phosphorous as P	**0.529**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**1.620**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 09:25	**Site:**			
Sample #:	**405734-003**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1194795		
Total Organic Carbon (TOC)	**8.89**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1194642		
MBAS	**0.064 J**	2.5	0.045	0.1	mg/L	08/21/18 17:00	08/21/18 21:55	NP	J
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194682		
Fecal Coliform	**<2**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	
Total Coliform	**32**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/21/2018 11:00	**Site:**				
Sample #: 405734-004	**Client Sample #:** MCWP-MW07D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.04	0.5	mg/L		08/31/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.64**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1194656
Boron	**0.548**	1	0.009	0.05	mg/L	08/22/18	08/22/18	KLN	
Calcium	**290**	1	0.038	0.1	mg/L	08/22/18	08/27/18	KLN	
Iron	**0.377**	1	0.012	0.02	mg/L	08/22/18	08/22/18	KLN	
Magnesium	**199**	1	0.016	0.1	mg/L	08/22/18	08/22/18	KLN	
Manganese	**0.777**	1	0.001	0.01	mg/L	08/22/18	08/22/18	KLN	
Potassium	**4.95**	1	0.24	0.5	mg/L	08/22/18	08/27/18	KLN	
Sodium	**336**	1	0.15	0.5	mg/L	08/22/18	08/27/18	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1194832
Arsenic	**2.70**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**7.97**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	
Zinc	**13.6**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1194632
Chloride	**387**	10	0.9	10	mg/L	08/21/18	08/22/18 00:19	CO	
Nitrate + Nitrite, as Nitrogen	**0.18**	1	0.017	0.1	mg/L	08/21/18	08/21/18 21:07	CO	
Nitrate, as Nitrogen	**0.18**	1	0.017	0.1	mg/L	08/21/18	08/21/18 21:07	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/21/18	08/21/18 21:07	CO	
Sulfate	**1130**	20	1.74	20	mg/L	08/21/18	08/24/18 21:05	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID:		QC1194679
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/22/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/22/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/22/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/22/18	LZ	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/21/2018 11:00 **Site:**
Sample #: 405734-004 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/22/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/22/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/22/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/22/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/22/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/22/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/22/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/22/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/22/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/22/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/22/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/22/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/22/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/22/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/22/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/22/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/22/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/22/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/22/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/22/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/22/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/22/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/22/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/22/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/22/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/22/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/22/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/22/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*100*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*97*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 547	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 548.1	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 549.2	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 552.2	**Prep Method: See Attached**						**QCBatchID:**		
See Attached		1							
Method: EPA 624	**Prep Method: 5030B**						**QCBatchID:**		QC1194680
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/22/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/22/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/22/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 11:00	**Site:**			
Sample #:	**405734-004**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*					
1,2-Dichloroethane-d4 (SUR)	*94*		*70-135*						
4-Bromofluorobenzene (SUR)	*100*		*70-135*						
Dibromofluoromethane (SUR)	*106*		*70-135*						
Toluene-d8 (SUR)	*97*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194657
Color	ND	1	5	5	Color Unit		08/22/18 10:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194659
Turbidity	**3.5**	1	0.1	0.1	NTU		08/22/18 10:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194658
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 10:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**520**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.64**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194824
Total Dissolved Solids	**3070**	2	20	20	mg/L	08/23/18	08/24/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**13.6**	1.05	0.525	0.525	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194654
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/22/18 10:15	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.335**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194687
pH	**7.18**	1			pH Units		08/22/18 13:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	**0.080 J**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	J
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**0.461**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195029
Total Phosphorous as P	**0.228**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.699**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/21/2018 11:00	**Site:**			
Sample #:	**405734-004**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1194795		
Total Organic Carbon (TOC)	**18.6**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID: QC1194642		
MBAS	**0.050**	1	0.018	0.04	mg/L	08/21/18 17:00	08/21/18 21:55	NP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194682		
Fecal Coliform	**<2**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	
Total Coliform	**4**	2			MPN/100ml	08/21/18 18:03	08/22/18	LH	

QCBatchID: QC1194632 **Analyst:** cota **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/21/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194632MB1					
Bromide	ND	mg/L	0.039	0.3	
Chloride	ND	mg/L	0.09	1	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	**0.0416 J**	mg/L	0.013	0.1	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194632LCS1											
Bromide	15		13.8		mg/L	92			90-110		
Chloride	100		98.4		mg/L	98			90-110		
Nitrate, as Nitrogen	9.03		8.86		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		8.98		mg/L	98			90-110		
Sulfate	50		48.7		mg/L	97			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194632MS1, QC1194632MSD1												**Source: 405678-001**
Bromide	ND	15	15	14.8	14.9	mg/L	99	99	0.7	80-120	20	
Chloride	105	100	100	198	198	mg/L	93	93	0.0	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.46	9.52	mg/L	105	105	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.54	8.61	mg/L	93	94	0.8	80-120	20	
Sulfate	11.2	50	50	63.0	63.5	mg/L	104	105	0.8	80-120	20	
QC1194632MS2, QC1194632MSD2												**Source: 405684-001**
Bromide	ND	15	15	14.7	14.7	mg/L	98	98	0.0	80-120	20	
Chloride	88.3	100	100	183	184	mg/L	95	96	0.5	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.51	9.54	mg/L	105	106	0.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.44	8.55	mg/L	92	93	1.3	80-120	20	
Sulfate	10.3	50	50	62.1	62.3	mg/L	104	104	0.3	80-120	20	

QCBatchID: QC1194642 **Analyst:** npham **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/21/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194642MB1					
MBAS	ND	mg/L	0.018	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1194642LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1194642MS1, QC1194642MSD1												**Source: 405713-003**
MBAS	0.031	1	1	1.0	0.99	mg/L	97	96	1.0	75-125	20	

QCBatchID: QC1194654 **Analyst:** tdang **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194654MB1					
Chlorine, Total Residual	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194654LCS1											
Chlorine, Total Residual	1		0.91		mg/L	91			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194654DUP1						**Source: 405734-003**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID: QC1194656 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194656MB1					
Arsenic	ND	mg/L	0.004	0.01	
Boron	ND	mg/L	0.009	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Calcium	ND	mg/L	0.038	0.1	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.001	0.01	
Iron	ND	mg/L	0.012	0.02	
Lead	ND	mg/L	0.004	0.01	
Magnesium	**0.077 J**	mg/L	0.016	0.1	
Manganese	ND	mg/L	0.001	0.01	
Molybdenum	**0.009 J**	mg/L	0.002	0.01	
Nickel	ND	mg/L	0.001	0.01	
Potassium	ND	mg/L	0.24	0.5	
Selenium	ND	mg/L	0.004	0.03	
Silver	ND	mg/L	0.002	0.005	
Sodium	ND	mg/L	0.15	0.5	
Zinc	**0.005 J**	mg/L	0.002	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194656LCS1											
Arsenic	2		2.00		mg/L	100			85-115		
Boron	2		1.77		mg/L	89			85-115		
Cadmium	2		1.86		mg/L	93			85-115		
Calcium	20		19.0		mg/L	95			85-115		
Chromium	2		1.84		mg/L	92			85-115		
Copper	2		1.86		mg/L	93			85-115		
Iron	2		1.93		mg/L	97			85-115		
Lead	2		1.81		mg/L	91			85-115		
Magnesium	20		19.9		mg/L	100			85-115		
Manganese	2		1.94		mg/L	97			85-115		
Molybdenum	2		2.07		mg/L	104			85-115		
Nickel	2		1.85		mg/L	93			85-115		
Potassium	38		34.0		mg/L	89			85-115		
Selenium	2		2.04		mg/L	102			85-115		
Silver	2		1.76		mg/L	88			85-115		
Sodium	20		17.3		mg/L	87			85-115		
Zinc	2		1.85		mg/L	93			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194656MS1												**Source: 405734-004**
Arsenic	ND	1		1.02		mg/L	102			75-125		
Boron	0.548	1		1.48		mg/L	93			75-125		
Cadmium	ND	1		0.857		mg/L	86			75-125		
Calcium	290	20		315		mg/L	125			75-125		
Chromium	0.004	1		0.918		mg/L	91			75-125		
Copper	0.020	1		0.915		mg/L	90			75-125		
Iron	0.377	1		1.28		mg/L	90			75-125		
Lead	0.008	1		0.857		mg/L	85			75-125		

QCBatchID: QC1194656 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194656MS1												**Source: 405734-004**
Magnesium	199	20		223		mg/L	120			75-125		
Manganese	0.777	1		1.72		mg/L	94			75-125		
Molybdenum	0.040	1		1.02		mg/L	98			75-125		
Nickel	0.002	1		0.855		mg/L	85			75-125		
Potassium	4.95	29		31.8		mg/L	93			75-125		
Selenium	0.072	1		1.05		mg/L	98			75-125		
Silver	0.004	1		0.921		mg/L	92			75-125		
Sodium	336	20		366		mg/L	150			75-125		NC
Zinc	0.007	1		0.874		mg/L	87			75-125		

QCBatchID:	**QC1194657**	**Analyst:**	tdang	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194657DUP1						**Source: 405734-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1194658**	**Analyst:**	tdang	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194658DUP1						**Source: 405734-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1194659**	**Analyst:**	tdang	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194659DUP1						**Source: 405734-001**
Turbidity	20	20	NTU	0.0	20	

QCBatchID: QC1194679	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/22/2018	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194679MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.132	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.119	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.223	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.136	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.134	0.5	
1,1-Dichloroethane	ND	ug/L	0.109	0.5	
1,1-Dichloroethene	ND	ug/L	0.144	0.5	
1,1-Dichloropropene	ND	ug/L	0.152	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.224	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.162	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.094	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.228	0.5	
1,2-Dibromoethane	ND	ug/L	0.116	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.161	0.5	
1,2-Dichloroethane	ND	ug/L	0.113	0.5	
1,2-Dichloropropane	ND	ug/L	0.197	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.153	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.176	0.5	
1,3-Dichloropropane	ND	ug/L	0.134	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.185	0.5	
2,2-Dichloropropane	ND	ug/L	0.218	0.5	
2-Chlorotoluene	ND	ug/L	0.177	0.5	
4-Chlorotoluene	ND	ug/L	0.172	0.5	
4-Isopropyltoluene	ND	ug/L	0.112	0.5	
Benzene	ND	ug/L	0.124	0.5	
Bromobenzene	ND	ug/L	0.207	0.5	
Bromochloromethane	ND	ug/L	0.129	0.5	
Bromodichloromethane	ND	ug/L	0.161	0.5	
Bromoform	ND	ug/L	0.142	0.5	
Bromomethane	ND	ug/L	0.185	0.5	
Carbon Tetrachloride	ND	ug/L	0.115	0.5	
Chlorobenzene	ND	ug/L	0.131	0.5	
Chlorodibromomethane	ND	ug/L	0.13	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.103	0.5	
Chloromethane	ND	ug/L	0.095	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.114	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.107	0.5	
Dibromomethane	ND	ug/L	0.133	0.5	
Dichlorodifluoromethane	ND	ug/L	0.224	0.5	
Ethylbenzene	ND	ug/L	0.149	0.5	
Hexachlorobutadiene	ND	ug/L	0.197	0.5	
Isopropylbenzene	ND	ug/L	0.129	0.5	
m and p-Xylene	ND	ug/L	0.278	0.5	
Methylene chloride	ND	ug/L	0.155	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.15	0.5	
Naphthalene	ND	ug/L	0.061	0.5	
N-butylbenzene	ND	ug/L	0.163	0.5	
N-propylbenzene	ND	ug/L	0.134	0.5	
o-Xylene	ND	ug/L	0.148	0.5	
Sec-butylbenzene	ND	ug/L	0.124	0.5	
Styrene	ND	ug/L	0.108	0.5	

QCBatchID: QC1194679 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194679MB1					
Tert-butylbenzene	ND	ug/L	0.139	0.5	
Tetrachloroethene	ND	ug/L	0.372	0.5	
Toluene	ND	ug/L	0.142	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.112	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.148	0.5	
Trichloroethene	ND	ug/L	0.239	0.5	
Trichlorofluoromethane	ND	ug/L	0.097	0.5	
Vinyl Chloride	ND	ug/L	0.06	0.5	
Xylenes (Total)	ND	ug/L	0.278	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194679LCS1											
1,1-Dichloroethene	50		54		ug/L	108			59-172		
Benzene	50		58		ug/L	116			62-137		
Chlorobenzene	50		58		ug/L	116			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		59		ug/L	118			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194679MS1												**Source: 405726-003**
1,1-Dichloroethene	ND	50		46		ug/L	92			59-172		
Benzene	ND	50		51		ug/L	102			62-137		
Chlorobenzene	ND	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		41		ug/L	82			62-137		
Toluene	ND	50		48		ug/L	96			59-139		
Trichloroethene	ND	50		50		ug/L	100			66-142		

QCBatchID: QC1194680	**Analyst:** lucy	**Method:** EPA 624	
Matrix: Water	**Analyzed:** 08/22/2018	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194680MB1					
1,1,1-Trichloroethane	ND	ug/L	0.063	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.063	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.045	0.5	
1,1-Dichloroethane	ND	ug/L	0.078	0.5	
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.051	0.5	
1,2-Dichloroethane	ND	ug/L	0.066	0.5	
1,2-Dichloropropane	ND	ug/L	0.06	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.052	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.12	0.5	
2-Butanone (MEK)	ND	ug/L	0.3	5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	5	
Acetone	ND	ug/L	0.2	10	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Bromodichloromethane	ND	ug/L	0.06	0.5	
Bromoform	ND	ug/L	0.053	0.5	
Bromomethane	ND	ug/L	0.13	1	
Carbon Tetrachloride	ND	ug/L	0.045	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Chlorodibromomethane	ND	ug/L	0.045	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.044	0.5	
Chloromethane	ND	ug/L	0.055	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.061	0.5	
Dichlorodifluoromethane	ND	ug/L	0.062	0.5	
Ethylbenzene	ND	ug/L	0.091	0.5	
Methylene chloride	ND	ug/L	0.15	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.068	0.5	
Tetrachloroethene	ND	ug/L	0.15	0.5	
Toluene	ND	ug/L	0.078	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.17	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.056	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	
Trichlorofluoromethane	ND	ug/L	0.06	0.5	
Vinyl Chloride	ND	ug/L	0.08	0.5	
Xylenes (Total)	ND	ug/L	0.25	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194680LCS1											
1,1-Dichloroethene	50		54		ug/L	108			59-172		
Benzene	50		58		ug/L	116			62-137		
Chlorobenzene	50		58		ug/L	116			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		58		ug/L	116			66-142		

QCBatchID:	QC1194680	**Analyst:**	lucy	**Method:**	EPA 624
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194680MS1, QC1194680MSD1												**Source: 405734-001**
1,1-Dichloroethene	ND	50	50	47	48	ug/L	94	96	2.1	59-172	22	
Benzene	ND	50	50	51	51	ug/L	102	102	0.0	62-137	24	
Chlorobenzene	ND	50	50	51	52	ug/L	102	104	1.9	60-133	21	
Toluene	ND	50	50	48	49	ug/L	96	98	2.1	59-139	21	
Trichloroethene	ND	50	50	51	52	ug/L	102	104	1.9	66-142	21	

QCBatchID:	**QC1194687**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194687DUP1						**Source: 405734-001**
pH	7.07	7.09	pH Units	0.3	20	

QCBatchID: QC1194751 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194751MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751LCS1											
Total Kjeldahl Nitrogen	2.5		2.3		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751MS1, QC1194751MSD1												**Source: 405740-001**
Total Kjeldahl Nitrogen	0.505	12.5	12.5	12	13	mg/L	92	100	8.0	80-120	20	

QCBatchID: QC1194786 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194786MB1					
Cyanide	ND	mg/L	0.002	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786LCS1											
Cyanide	0.2		0.20		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786MS1, QC1194786MSD1												**Source: 405808-001**
Cyanide	ND	0.2	0.2	0.19	0.19	mg/L	95	95	0.0	80-120	20	

QCBatchID: QC1194795 **Analyst:** tdang **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194795MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.203	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194795LCS1											
Total Organic Carbon (TOC)	10		10.5		mg/L	105			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194795MS1, QC1194795MSD1												**Source: 405649-001**
Total Organic Carbon (TOC)	0.85	20	20	19.6	20.1	mg/L	94	96	2.5	80-120	20	

QCBatchID: QC1194824 **Analyst:** tdang **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194824MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194824LCS1											
Total Dissolved Solids	3000		3000		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194824DUP1						**Source: 405734-001**
Total Dissolved Solids	1610	1610	mg/L	0.0	5	

QCBatchID: QC1194832 **Analyst:** cota **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194832MB1					
Arsenic	ND	ug/L	0.31	2	
Selenium	ND	ug/L	0.39	2	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832LCS1											
Arsenic	50		54.8		ug/L	110			85-115		
Selenium	50		49.5		ug/L	99			85-115		
Zinc	50		56.0		ug/L	112			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832MS1												**Source: 405808-001**
Arsenic	1.12	50		53.5		ug/L	105			70-130		
Selenium	3.01	50		50.3		ug/L	95			70-130		
Zinc	9.84	50		60.9		ug/L	115			70-130		
QC1194832MS2												**Source: 405808-002**
Arsenic	0.743	50		56.5		ug/L	112			70-130		
Selenium	2.23	50		51.7		ug/L	99			70-130		
Zinc	7.95	50		58.9		ug/L	102			70-130		

QCBatchID:	**QC1194877**	**Analyst:**	trinh	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/27/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194877MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194877DUP1						**Source: 405734-003**
Total Suspended Solids	385	385	mg/L	0.0	5	

QCBatchID:	**QC1194883**	**Analyst:**	wei	**Method:**	SM 4500-F-C
Matrix:	Water	**Analyzed:**	08/27/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194883MB1					
Fluoride	ND	mg/L	0.005	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1194883LCS1											
Fluoride	1		0.965		mg/L	97			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1194883MS1, QC1194883MSD1												**Source: 405808-001**
Fluoride	1.15	1	1	2.08	2.13	mg/L	93	98	2.4	75-125	20	

QCBatchID: QC1194909 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194909MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	5	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194909LCS1											
Total Alkalinity (as CaCO3)	25000		24000		mg/L	96			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194909DUP1						**Source: 405808-001**
Total Alkalinity (as CaCO3)	870	850	mg/L	2.3	20	

QCBatchID:	**QC1194912**	**Analyst:**	cota	**Method:**	EPA 314.0
Matrix:	Water	**Analyzed:**	08/28/2018	**Instrument:**	AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194912MB1					
Perchlorate	ND	ug/L	1.1	2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194912LCS1											
Perchlorate	50		48		ug/L	96			85-115		

QCBatchID: QC1194958 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/29/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194958MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958LCS1											
Ammonia, as Nitrogen	5		4.50		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958MS1, QC1194958MSD1												**Source: 405807-002**
Ammonia, as Nitrogen	0.222	5	5	5.60	5.58	mg/L	108	107	0.4	80-120	20	

QCBatchID: QC1195029 **Analyst:** tdang **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195029MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195029LCS1											
Total Phosphorous as P	0.4		0.433		mg/L	108			80-120		
Total Phosphorous as PO4	1.23		1.330		mg/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195029MS1, QC1195029MSD1												**Source: 405694-001**
Total Phosphorous as P	0.230	0.4	0.4	0.653	0.700	mg/L	106	118	6.9	75-125	20	
Total Phosphorous as PO4	0.705	1.23	1.23	2.00	2.14	mg/L	105	117	6.8	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No: 405734
Page: 1 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

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 - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PD, MC, SW

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
~~LAMW-5S~~ PD						X	X	X	X	X	X	X	X	X	X	PD
~~SMBRP-9~~ PD						X	X	X	X	X	X	X	X	X	X	PD
SMBRP-11	8/21/18	1130	W	47	VARIOUS	X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~ PD						X	X	X	X	X	X	X	X	X	X	PD
MCWP-MW04S	8/21/18	1200	W	47	VARIOUS	X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~ PD						X	X	X	X	X	X	X	X	X	X	PD
MCWP-MW07S	8/21/18	0925	W	47	VARIOS	X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D	8/21/18	1100	W	47	VARIOS	X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW09~~ PD						X	X	X	X	X	X	X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon	8/21/18 / 1345
[1] Received By:		Kevin Guy	Enthalpy	8/21/18 1347
[2] Relinquished By:		Kel	Enthalpy	8/21/18 1555
[2] Received By:		Valerie Herman	EA	08/21/18 1555
[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:	405734			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	2	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	PD/SW/MC

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
~~LAMW-5S~~ PD						X	X	X	X	X	X	X	X	X	X	
~~SMBRP-9~~ PD						X	X	X	X	X	X	X	X	X	X	
SMBRP-11	SEE PAGE ONE					X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~ PD						X	X	X	X	X	X	X	X	X	X	
MCWP-MW04S						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~ PD						X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S						X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW09~~ PD						X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DOAN	Rincon	8.21.18 / 1345
[1] Received By:			Enthalpy	8/21/18 1347
[2] Relinquished By:			Enthalpy	8/21/18 1555
[2] Received By:			EPA	08/21/18 1555
[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: 405734				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3	of	3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	X PD / JW / MC

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
~~LAMW-5S~~ PD						~~X~~	~~X~~	
~~SMBRP-9~~ PD						~~X~~	~~X~~	
SMBRP-11	SEE PAGE ONE					X	X	
~~SMBRP-12~~ PD						~~X~~	~~X~~	
MCWP-MW04S						X	X	
~~MCWP-MW04D~~ PD						~~X~~	~~X~~	
MCWP-MW07S						X	X	
MCWP-MW07D						X	X	
~~MCWP-MW09~~ PD						~~X~~	~~X~~	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DURAN	Rincon	8.21.18 / 1345
[1] Received By:			Enthalpy	8/21/18 1347
[2] Relinquished By:			Enthalpy	8/21/18 1555
[2] Received By:		Marcatherman	EA	08/21/18 1555
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Annual

Date Received: 8/21/18 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 1 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)		✓	
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	✓		
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Headspace in -003 (3/6) and -001 (3/6)

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[✓] Email (email sent to/on): RC / 08/21/18 @ 1707

Project Manager's response: 1710

Completed By: _____ Date: 08/21/18

WECK LABORATORIES, INC.

Certificate of Analysis

PRELIMINARY REPORT

Work Orders: 8H22101

Project: 405734

Attn: Albert Vargas

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/17/2018
Received Date: 8/22/2018
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1024408
Billing Code:

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/22/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.5 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: SMBRP-11(405734-001)
8H22101-01 (Water)

Sampled: 08/21/18 11:30 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09		**Prepared:** 08/23/18 11:36			**Analyst:** mld	
N-Nitrosodimethylamine	**5.7**	2.0	ng/l	1	08/28/18 10:52	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan		**Prepared:** 08/27/18 09:05			**Analyst:** dil	
Bromate	ND	25	ug/l	5	08/27/18 18:32	M-05
Chlorite	ND	50	ug/l	5	08/27/18 18:32	M-05
Surrogate(s)						
Dichloroacetate	*105%*	*90-115*	*Conc: 525*		*08/27/18 18:32*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03		**Prepared:** 08/28/18 15:44			**Analyst:** joh	
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 20:13	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 20:13	
Method: EPA 508 **Batch ID:** W8H1360 **Instr:** GC07		**Prepared:** 08/23/18 08:11			**Analyst:** rmr	
4,4´-DDD	ND	0.010	ug/l	1	08/30/18 23:21	
4,4´-DDE	ND	0.010	ug/l	1	08/30/18 23:21	
4,4´-DDT	ND	0.010	ug/l	1	08/30/18 23:21	
Aldrin	ND	0.010	ug/l	1	08/30/18 23:21	
alpha-BHC	ND	0.020	ug/l	2	09/04/18 19:26	M-04
Aroclor 1016	ND	1.0	ug/l	2	09/04/18 19:26	M-04, R-01
Aroclor 1221	ND	1.0	ug/l	2	09/04/18 19:26	M-04, R-01
Aroclor 1232	ND	1.0	ug/l	2	09/04/18 19:26	M-04, R-01
Aroclor 1242	ND	1.0	ug/l	2	09/04/18 19:26	M-04, R-01

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Sample Results

(Continued)

Sample: SMBRP-11(405734-001) Sampled: 08/21/18 11:30 by Client

8H22101-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1360 **Instr:** GC07		**Prepared:** 08/23/18 08:11			**Analyst:** rmr	
Aroclor 1248	ND	1.0	ug/l	2	09/04/18 19:26	M-04, R-01
Aroclor 1254	ND	0.20	ug/l	2	09/04/18 19:26	M-04
Aroclor 1260	ND	0.20	ug/l	2	09/04/18 19:26	M-04
beta-BHC	ND	0.020	ug/l	2	09/04/18 19:26	M-04
Chlordane (tech)	ND	0.10	ug/l	1	08/30/18 23:21	
Chlorothalonil	ND	0.050	ug/l	1	08/30/18 23:21	
delta-BHC	ND	0.010	ug/l	1	08/30/18 23:21	
Dieldrin	ND	0.010	ug/l	1	08/30/18 23:21	
Endosulfan I	ND	0.010	ug/l	1	08/30/18 23:21	
Endosulfan II	ND	0.010	ug/l	1	08/30/18 23:21	
Endosulfan sulfate	ND	0.010	ug/l	1	08/30/18 23:21	
Endrin	ND	0.010	ug/l	1	08/30/18 23:21	
Endrin aldehyde	ND	0.010	ug/l	1	08/30/18 23:21	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	08/30/18 23:21	
Heptachlor	ND	0.010	ug/l	1	08/30/18 23:21	
Heptachlor epoxide	ND	0.010	ug/l	1	08/30/18 23:21	
Hexachlorobenzene	ND	0.050	ug/l	1	08/30/18 23:21	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	08/30/18 23:21	
Methoxychlor	ND	0.010	ug/l	1	08/30/18 23:21	
PCBs, Total	ND	1.0	ug/l	2	09/04/18 19:26	M-04
Propachlor	ND	0.050	ug/l	1	08/30/18 23:21	
Toxaphene	ND	1.0	ug/l	2	09/04/18 19:26	M-04
Trifluralin	ND	0.010	ug/l	1	08/30/18 23:21	
Surrogate(s)						
Decachlorobiphenyl	*74%*	*70-130*	*Conc: 0.0737*		*08/30/18 23:21*	
Tetrachloro-meta-xylene	*77%*	*70-130*	*Conc: 0.0775*		*08/30/18 23:21*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 02:12	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 02:12	
2,4-D	ND	0.40	ug/l	1	09/05/18 02:12	
2,4-DB	ND	2.0	ug/l	1	09/05/18 02:12	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 02:12	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 02:12	
Bentazon	ND	2.0	ug/l	1	09/05/18 02:12	
Dalapon	ND	0.40	ug/l	1	09/05/18 02:12	
DCPA	ND	0.10	ug/l	1	09/05/18 02:12	
Dicamba	ND	0.60	ug/l	1	09/05/18 02:12	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 02:12	
Dinoseb	ND	0.40	ug/l	1	09/05/18 02:12	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 02:12	

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Sample Results

(Continued)

Sample: SMBRP-11(405734-001) Sampled: 08/21/18 11:30 by Client

8H22101-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 515.3 (Continued) **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
Picloram	ND	0.60	ug/l	1	09/05/18 02:12	
Surrogate(s)						
2,4-DCAA	*82%*	*70-130*	*Conc: 8.15*		*09/05/18 02:12*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 09:47	
Atrazine	ND	0.10	ug/l	1	09/06/18 09:47	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 09:47	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 09:47	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 09:47	
Bromacil	ND	0.50	ug/l	1	09/06/18 09:47	
Butachlor	ND	0.10	ug/l	1	09/06/18 09:47	
Captan	ND	1.0	ug/l	1	09/06/18 09:47	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 09:47	
Cyanazine	ND	0.10	ug/l	1	09/06/18 09:47	
Diazinon	ND	0.10	ug/l	1	09/06/18 09:47	
Dimethoate	ND	0.20	ug/l	1	09/06/18 09:47	
Diphenamid	ND	0.10	ug/l	1	09/06/18 09:47	
Disulfoton	ND	0.10	ug/l	1	09/06/18 09:47	
EPTC	ND	0.10	ug/l	1	09/06/18 09:47	
Metolachlor	ND	0.10	ug/l	1	09/06/18 09:47	
Metribuzin	ND	0.10	ug/l	1	09/06/18 09:47	
Molinate	ND	0.10	ug/l	1	09/06/18 09:47	
Prometon	ND	0.10	ug/l	1	09/06/18 09:47	
Prometryn	ND	0.10	ug/l	1	09/06/18 09:47	
Simazine	ND	0.10	ug/l	1	09/06/18 09:47	
Terbacil	ND	2.0	ug/l	1	09/06/18 09:47	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 09:47	
Trithion	ND	0.10	ug/l	1	09/06/18 09:47	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*116%*	*70-130*	*Conc: 5.81*		*09/06/18 09:47*	
Perylene-d12	*14%*	*50-120*	*Conc: 0.681*		*09/06/18 09:47*	*S-GC*
Triphenyl phosphate	*116%*	*70-130*	*Conc: 5.78*		*09/06/18 09:47*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 05:11	
Aldicarb	ND	2.0	ug/l	1	08/29/18 05:11	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 05:11	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 05:11	
Carbaryl	ND	2.0	ug/l	1	08/29/18 05:11	
Carbofuran	ND	2.0	ug/l	1	08/29/18 05:11	
Methiocarb	ND	2.0	ug/l	1	08/29/18 05:11	
Methomyl	ND	2.0	ug/l	1	08/29/18 05:11	

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Sample Results

(Continued)

Sample: SMBRP-11(405734-001) Sampled: 08/21/18 11:30 by Client

8H22101-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 531.1 (Continued) **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
Oxamyl	ND	2.0	ug/l	1	08/29/18 05:11	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 05:11	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10		**Prepared:** 08/23/18 14:30			**Analyst:** blg	
Glyphosate	ND	50	ug/l	10	08/24/18 15:36	M-05
Method: EPA 548.1 **Batch ID:** W8H1278 **Instr:** GCMS06		**Prepared:** 08/22/18 07:58			**Analyst:** etn	
Endothall	ND	40	ug/l	1	08/30/18 10:32	
Method: EPA 549.2 **Batch ID:** W8H1361 **Instr:** LC11		**Prepared:** 08/23/18 08:12			**Analyst:** blg	
Diquat	ND	2.0	ug/l	1	09/06/18 17:05	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05		**Prepared:** 08/27/18 07:53			**Analyst:** cam	
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 06:44	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 06:44	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 06:44	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 06:44	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 06:44	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 06:44	
Surrogate(s)						
2,3-Dibromopropionic acid	*118%*	*70-130*	*Conc: 11.8*		*08/28/18 06:44*	
Method: EPA 625 **Batch ID:** W8H1365 **Instr:** GCMS06		**Prepared:** 08/23/18 08:18			**Analyst:** etn	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 04:11	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 04:11	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 04:11	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 04:11	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 04:11	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 04:11	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 04:11	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 04:11	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 04:11	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 04:11	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 04:11	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 04:11	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 04:11	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 04:11	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 04:11	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 04:11	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 04:11	
Anthracene	ND	1.0	ug/l	1	09/12/18 04:11	

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Sample Results

(Continued)

Sample: SMBRP-11(405734-001) Sampled: 08/21/18 11:30 by Client

8H22101-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
Benzidine	ND	10	ug/l	1	09/12/18 04:11	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 04:11	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 04:11	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 04:11	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 04:11	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 04:11	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 04:11	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 04:11	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 04:11	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/12/18 04:11	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 04:11	
Chrysene	ND	1.0	ug/l	1	09/12/18 04:11	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 04:11	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 04:11	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 04:11	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 04:11	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 04:11	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 04:11	
Fluorene	ND	1.0	ug/l	1	09/12/18 04:11	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 04:11	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 04:11	
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 04:11	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 04:11	
Isophorone	ND	1.0	ug/l	1	09/12/18 04:11	
Naphthalene	ND	1.0	ug/l	1	09/12/18 04:11	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 04:11	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 04:11	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 04:11	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 04:11	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 04:11	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 04:11	
Phenol	ND	1.0	ug/l	1	09/12/18 04:11	
Pyrene	ND	1.0	ug/l	1	09/12/18 04:11	
Surrogate(s)						
2,4,6-Tribromophenol	*78%*	*25-102*	*Conc: 39.2*		*09/12/18 04:11*	
2-Fluorobiphenyl	*69%*	*22-107*	*Conc: 17.3*		*09/12/18 04:11*	
2-Fluorophenol	*45%*	*3-74*	*Conc: 22.4*		*09/12/18 04:11*	
Nitrobenzene-d5	*69%*	*27-111*	*Conc: 17.2*		*09/12/18 04:11*	
Phenol-d5	*29%*	*0.1-53*	*Conc: 14.7*		*09/12/18 04:11*	
Terphenyl-d14	*97%*	*28-113*	*Conc: 24.3*		*09/12/18 04:11*	

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Sample Results

(Continued)

Sample: MCWP-MW04S (405734-002) Sampled: 08/21/18 12:00 by Client

8H22101-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/28/18 11:20	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/27/18 18:53	M-05
Chlorite	ND	50	ug/l	5	08/27/18 18:53	M-05
Surrogate(s)						
Dichloroacetate	*99%*	*90-115*	*Conc: 495*		*08/27/18 18:53*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 20:34	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 20:34	
Method: EPA 508 **Batch ID:** W8H1360 **Instr:** GC07 **Prepared:** 08/23/18 08:11 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	08/30/18 23:52	
4,4´-DDE	ND	0.010	ug/l	1	08/30/18 23:52	
4,4´-DDT	ND	0.010	ug/l	1	08/30/18 23:52	
Aldrin	ND	0.010	ug/l	1	08/30/18 23:52	
alpha-BHC	ND	0.010	ug/l	1	08/30/18 23:52	
Aroclor 1016	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1221	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1232	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1242	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1248	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1254	ND	0.10	ug/l	1	08/30/18 23:52	
Aroclor 1260	ND	0.10	ug/l	1	08/30/18 23:52	
beta-BHC	ND	0.010	ug/l	1	08/30/18 23:52	
Chlordane (tech)	ND	0.10	ug/l	1	08/30/18 23:52	
Chlorothalonil	ND	0.050	ug/l	1	08/30/18 23:52	
delta-BHC	ND	0.010	ug/l	1	08/30/18 23:52	
Dieldrin	ND	0.010	ug/l	1	08/30/18 23:52	
Endosulfan I	ND	0.010	ug/l	1	08/30/18 23:52	
Endosulfan II	ND	0.010	ug/l	1	08/30/18 23:52	
Endosulfan sulfate	ND	0.010	ug/l	1	08/30/18 23:52	
Endrin	ND	0.010	ug/l	1	08/30/18 23:52	
Endrin aldehyde	ND	0.010	ug/l	1	08/30/18 23:52	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	08/30/18 23:52	
Heptachlor	ND	0.010	ug/l	1	08/30/18 23:52	
Heptachlor epoxide	ND	0.010	ug/l	1	08/30/18 23:52	
Hexachlorobenzene	ND	0.050	ug/l	1	08/30/18 23:52	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	08/30/18 23:52	
Methoxychlor	ND	0.010	ug/l	1	08/30/18 23:52	
PCBs, Total	ND	0.50	ug/l	1	08/30/18 23:52	
Propachlor	ND	0.050	ug/l	1	08/30/18 23:52	
Toxaphene	ND	0.50	ug/l	1	08/30/18 23:52	

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Sample Results

(Continued)

Sample: MCWP-MW04S (405734-002) Sampled: 08/21/18 12:00 by Client

8H22101-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1360 **Instr:** GC07		**Prepared:** 08/23/18 08:11			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	08/30/18 23:52	
Surrogate(s)						
Decachlorobiphenyl	*50%*	*70-130*	*Conc: 0.0500*		*08/30/18 23:52*	*S-GC*
Tetrachloro-meta-xylene	*71%*	*70-130*	*Conc: 0.0713*		*08/30/18 23:52*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 02:49	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 02:49	
2,4-D	ND	0.40	ug/l	1	09/05/18 02:49	
2,4-DB	ND	2.0	ug/l	1	09/05/18 02:49	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 02:49	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 02:49	
Bentazon	ND	2.0	ug/l	1	09/05/18 02:49	
Dalapon	ND	0.40	ug/l	1	09/05/18 02:49	
DCPA	ND	0.10	ug/l	1	09/05/18 02:49	
Dicamba	ND	0.60	ug/l	1	09/05/18 02:49	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 02:49	
Dinoseb	ND	0.40	ug/l	1	09/05/18 02:49	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 02:49	
Picloram	ND	0.60	ug/l	1	09/05/18 02:49	
Surrogate(s)						
2,4-DCAA	*75%*	*70-130*	*Conc: 7.53*		*09/05/18 02:49*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/05/18 21:13	
Atrazine	ND	0.10	ug/l	1	09/05/18 21:13	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/05/18 21:13	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/05/18 21:13	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/05/18 21:13	
Bromacil	ND	0.50	ug/l	1	09/05/18 21:13	
Butachlor	ND	0.10	ug/l	1	09/05/18 21:13	
Captan	ND	1.0	ug/l	1	09/05/18 21:13	
Chlorpropham	ND	0.10	ug/l	1	09/05/18 21:13	
Cyanazine	ND	0.10	ug/l	1	09/05/18 21:13	
Diazinon	ND	0.10	ug/l	1	09/05/18 21:13	
Dimethoate	ND	0.20	ug/l	1	09/05/18 21:13	
Diphenamid	ND	0.10	ug/l	1	09/05/18 21:13	
Disulfoton	ND	0.10	ug/l	1	09/05/18 21:13	
EPTC	ND	0.10	ug/l	1	09/05/18 21:13	
Metolachlor	ND	0.10	ug/l	1	09/05/18 21:13	
Metribuzin	ND	0.10	ug/l	1	09/05/18 21:13	
Molinate	ND	0.10	ug/l	1	09/05/18 21:13	
Prometon	ND	0.10	ug/l	1	09/05/18 21:13	

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Sample Results

(Continued)

Sample: MCWP-MW04S (405734-002) Sampled: 08/21/18 12:00 by Client

8H22101-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16 **Prepared:** 08/27/18 08:31 **Analyst:** etn						
Prometryn	ND	0.10	ug/l	1	09/05/18 21:13	
Simazine	ND	0.10	ug/l	1	09/05/18 21:13	
Terbacil	ND	2.0	ug/l	1	09/05/18 21:13	
Thiobencarb	ND	0.10	ug/l	1	09/05/18 21:13	
Trithion	ND	0.10	ug/l	1	09/05/18 21:13	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*106%*	*70-130*	*Conc: 5.29*		*09/05/18 21:13*	
Perylene-d12	*43%*	*50-120*	*Conc: 2.16*		*09/05/18 21:13*	*S-GC*
Triphenyl phosphate	*114%*	*70-130*	*Conc: 5.70*		*09/05/18 21:13*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10 **Prepared:** 08/28/18 14:39 **Analyst:** blg						
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 06:49	
Aldicarb	ND	2.0	ug/l	1	08/29/18 06:49	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 06:49	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 06:49	
Carbaryl	ND	2.0	ug/l	1	08/29/18 06:49	
Carbofuran	ND	2.0	ug/l	1	08/29/18 06:49	
Methiocarb	ND	2.0	ug/l	1	08/29/18 06:49	
Methomyl	ND	2.0	ug/l	1	08/29/18 06:49	
Oxamyl	ND	2.0	ug/l	1	08/29/18 06:49	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 06:49	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10 **Prepared:** 08/23/18 14:30 **Analyst:** blg						
Glyphosate	ND	5.0	ug/l	1	08/24/18 16:15	
Method: EPA 548.1 **Batch ID:** W8H1278 **Instr:** GCMS06 **Prepared:** 08/22/18 07:58 **Analyst:** etn						
Endothall	ND	40	ug/l	1	08/30/18 10:46	
Method: EPA 549.2 **Batch ID:** W8H1361 **Instr:** LC11 **Prepared:** 08/23/18 08:12 **Analyst:** blg						
Diquat	ND	2.0	ug/l	1	09/06/18 17:14	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05 **Prepared:** 08/27/18 07:53 **Analyst:** cam						
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 07:12	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 07:12	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 07:12	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 07:12	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 07:12	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 07:12	
Surrogate(s)						
2,3-Dibromopropionic acid	*120%*	*70-130*	*Conc: 12.0*		*08/28/18 07:12*	
Method: EPA 625 **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 04:41	

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Sample Results

(Continued)

Sample: MCWP-MW04S (405734-002) Sampled: 08/21/18 12:00 by Client

8H22101-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 04:41	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 04:41	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 04:41	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 04:41	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 04:41	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 04:41	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 04:41	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 04:41	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 04:41	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 04:41	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 04:41	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 04:41	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 04:41	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 04:41	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 04:41	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 04:41	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 04:41	
Anthracene	ND	1.0	ug/l	1	09/12/18 04:41	
Benzidine	ND	10	ug/l	1	09/12/18 04:41	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 04:41	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 04:41	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 04:41	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 04:41	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 04:41	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 04:41	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 04:41	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 04:41	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/12/18 04:41	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 04:41	
Chrysene	ND	1.0	ug/l	1	09/12/18 04:41	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 04:41	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 04:41	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 04:41	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 04:41	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 04:41	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 04:41	
Fluorene	ND	1.0	ug/l	1	09/12/18 04:41	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 04:41	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 04:41	

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Sample Results

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Sample: MCWP-MW04S (405734-002)
8H22101-02 (Water)

Sampled: 08/21/18 12:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 04:41	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 04:41	
Isophorone	ND	1.0	ug/l	1	09/12/18 04:41	
Naphthalene	ND	1.0	ug/l	1	09/12/18 04:41	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 04:41	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 04:41	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 04:41	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 04:41	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 04:41	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 04:41	
Phenol	ND	1.0	ug/l	1	09/12/18 04:41	
Pyrene	ND	1.0	ug/l	1	09/12/18 04:41	
Surrogate(s)						
2,4,6-Tribromophenol	*78%*	*25-102*	*Conc: 38.9*		*09/12/18 04:41*	
2-Fluorobiphenyl	*60%*	*22-107*	*Conc: 15.0*		*09/12/18 04:41*	
2-Fluorophenol	*39%*	*3-74*	*Conc: 19.3*		*09/12/18 04:41*	
Nitrobenzene-d5	*58%*	*27-111*	*Conc: 14.5*		*09/12/18 04:41*	
Phenol-d5	*25%*	*0.1-53*	*Conc: 12.3*		*09/12/18 04:41*	
Terphenyl-d14	*87%*	*28-113*	*Conc: 21.7*		*09/12/18 04:41*	

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Sample Results

(Continued)

Sample: MCWP-MW07S (405734-003) Sampled: 08/21/18 9:25 by Client

8H22101-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	**2.2**	2.0	ng/l	1	08/28/18 11:48	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/27/18 19:14	M-05
Chlorite	ND	50	ug/l	5	08/27/18 19:14	M-05
Surrogate(s)						
Dichloroacetate	*104%*	*90-115*	*Conc: 518*		*08/27/18 19:14*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 20:56	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 20:56	
Method: EPA 508 **Batch ID:** W8H1360 **Instr:** GC07 **Prepared:** 08/23/18 08:11 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	08/31/18 00:22	
4,4´-DDE	ND	0.010	ug/l	1	08/31/18 00:22	
4,4´-DDT	ND	0.010	ug/l	1	08/31/18 00:22	
Aldrin	ND	0.010	ug/l	1	08/31/18 00:22	
alpha-BHC	ND	0.010	ug/l	1	08/31/18 00:22	
Aroclor 1016	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1221	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1232	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1242	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1248	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1254	ND	0.10	ug/l	1	08/31/18 00:22	
Aroclor 1260	ND	0.10	ug/l	1	08/31/18 00:22	
beta-BHC	ND	0.010	ug/l	1	08/31/18 00:22	
Chlordane (tech)	ND	0.10	ug/l	1	08/31/18 00:22	
Chlorothalonil	ND	0.050	ug/l	1	08/31/18 00:22	
delta-BHC	ND	0.010	ug/l	1	08/31/18 00:22	
Dieldrin	ND	0.010	ug/l	1	08/31/18 00:22	
Endosulfan I	ND	0.010	ug/l	1	08/31/18 00:22	
Endosulfan II	ND	0.010	ug/l	1	08/31/18 00:22	
Endosulfan sulfate	ND	0.010	ug/l	1	08/31/18 00:22	
Endrin	ND	0.010	ug/l	1	08/31/18 00:22	
Endrin aldehyde	ND	0.010	ug/l	1	08/31/18 00:22	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	08/31/18 00:22	
Heptachlor	ND	0.010	ug/l	1	08/31/18 00:22	
Heptachlor epoxide	ND	0.010	ug/l	1	08/31/18 00:22	
Hexachlorobenzene	ND	0.050	ug/l	1	08/31/18 00:22	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	08/31/18 00:22	
Methoxychlor	ND	0.010	ug/l	1	08/31/18 00:22	
PCBs, Total	ND	0.50	ug/l	1	08/31/18 00:22	
Propachlor	ND	0.050	ug/l	1	08/31/18 00:22	
Toxaphene	ND	0.50	ug/l	1	08/31/18 00:22	

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Sample Results

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Sample: MCWP-MW07S (405734-003) Sampled: 08/21/18 9:25 by Client

8H22101-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1360 **Instr:** GC07		**Prepared:** 08/23/18 08:11			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	08/31/18 00:22	
Surrogate(s)						
Decachlorobiphenyl	*51%*	*70-130*	*Conc: 0.0532*		*08/31/18 00:22*	*S-GC*
Tetrachloro-meta-xylene	*87%*	*70-130*	*Conc: 0.0917*		*08/31/18 00:22*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 03:26	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 03:26	
2,4-D	ND	0.40	ug/l	1	09/05/18 03:26	
2,4-DB	ND	2.0	ug/l	1	09/05/18 03:26	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 03:26	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 03:26	
Bentazon	ND	2.0	ug/l	1	09/05/18 03:26	
Dalapon	ND	0.40	ug/l	1	09/05/18 03:26	
DCPA	ND	0.10	ug/l	1	09/05/18 03:26	
Dicamba	ND	0.60	ug/l	1	09/05/18 03:26	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 03:26	
Dinoseb	ND	0.40	ug/l	1	09/05/18 03:26	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 03:26	
Picloram	ND	0.60	ug/l	1	09/05/18 03:26	
Surrogate(s)						
2,4-DCAA	*76%*	*70-130*	*Conc: 7.64*		*09/05/18 03:26*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 10:14	
Atrazine	ND	0.10	ug/l	1	09/06/18 10:14	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 10:14	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 10:14	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 10:14	
Bromacil	ND	0.50	ug/l	1	09/06/18 10:14	
Butachlor	ND	0.10	ug/l	1	09/06/18 10:14	
Captan	ND	1.0	ug/l	1	09/06/18 10:14	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 10:14	
Cyanazine	ND	0.10	ug/l	1	09/06/18 10:14	
Diazinon	ND	0.10	ug/l	1	09/06/18 10:14	
Dimethoate	ND	0.20	ug/l	1	09/06/18 10:14	
Diphenamid	ND	0.10	ug/l	1	09/06/18 10:14	
Disulfoton	ND	0.10	ug/l	1	09/06/18 10:14	
EPTC	ND	0.10	ug/l	1	09/06/18 10:14	
Metolachlor	ND	0.10	ug/l	1	09/06/18 10:14	
Metribuzin	ND	0.10	ug/l	1	09/06/18 10:14	
Molinate	ND	0.10	ug/l	1	09/06/18 10:14	
Prometon	ND	0.10	ug/l	1	09/06/18 10:14	

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Sample Results

(Continued)

Sample: MCWP-MW07S (405734-003) Sampled: 08/21/18 9:25 by Client

8H22101-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Prometryn	ND	0.10	ug/l	1	09/06/18 10:14	
Simazine	ND	0.10	ug/l	1	09/06/18 10:14	
Terbacil	ND	2.0	ug/l	1	09/06/18 10:14	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 10:14	
Trithion	ND	0.10	ug/l	1	09/06/18 10:14	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*124%*	*70-130*	*Conc: 6.19*		*09/06/18 10:14*	
Perylene-d12	*14%*	*50-120*	*Conc: 0.702*		*09/06/18 10:14*	*S-GC*
Triphenyl phosphate	*114%*	*70-130*	*Conc: 5.72*		*09/06/18 10:14*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 07:22	
Aldicarb	ND	2.0	ug/l	1	08/29/18 07:22	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 07:22	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 07:22	
Carbaryl	ND	2.0	ug/l	1	08/29/18 07:22	
Carbofuran	ND	2.0	ug/l	1	08/29/18 07:22	
Methiocarb	ND	2.0	ug/l	1	08/29/18 07:22	
Methomyl	ND	2.0	ug/l	1	08/29/18 07:22	
Oxamyl	ND	2.0	ug/l	1	08/29/18 07:22	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 07:22	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10		**Prepared:** 08/23/18 14:30			**Analyst:** blg	
Glyphosate	ND	5.0	ug/l	1	08/24/18 16:28	
Method: EPA 548.1 **Batch ID:** W8H1278 **Instr:** GCMS06		**Prepared:** 08/22/18 07:58			**Analyst:** etn	
Endothall	ND	40	ug/l	1	08/30/18 11:38	
Method: EPA 549.2 **Batch ID:** W8H1361 **Instr:** LC11		**Prepared:** 08/23/18 08:12			**Analyst:** blg	
Diquat	ND	2.0	ug/l	1	09/06/18 17:23	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05		**Prepared:** 08/27/18 07:53			**Analyst:** cam	
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 08:06	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 08:06	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 08:06	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 08:06	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 08:06	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 08:06	
Surrogate(s)						
2,3-Dibromopropionic acid	*114%*	*70-130*	*Conc: 11.4*		*08/28/18 08:06*	
Method: EPA 625 **Batch ID:** W8H1365 **Instr:** GCMS06		**Prepared:** 08/23/18 08:18			**Analyst:** etn	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:11	

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Sample Results

(Continued)

Sample: MCWP-MW07S (405734-003) Sampled: 08/21/18 9:25 by Client

8H22101-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 05:11	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 05:11	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 05:11	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 05:11	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 05:11	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 05:11	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 05:11	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 05:11	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 05:11	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 05:11	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 05:11	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 05:11	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 05:11	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 05:11	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 05:11	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 05:11	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 05:11	
Anthracene	ND	1.0	ug/l	1	09/12/18 05:11	
Benzidine	ND	10	ug/l	1	09/12/18 05:11	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 05:11	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 05:11	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 05:11	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 05:11	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 05:11	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 05:11	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 05:11	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 05:11	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 05:11	
Chrysene	ND	1.0	ug/l	1	09/12/18 05:11	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 05:11	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 05:11	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 05:11	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 05:11	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 05:11	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 05:11	
Fluorene	ND	1.0	ug/l	1	09/12/18 05:11	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 05:11	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 05:11	
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 05:11	

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Sample Results

(Continued)

Sample: MCWP-MW07S (405734-003)
8H22101-03 (Water)

Sampled: 08/21/18 9:25 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 05:11	
Isophorone	ND	1.0	ug/l	1	09/12/18 05:11	
Naphthalene	ND	1.0	ug/l	1	09/12/18 05:11	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 05:11	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 05:11	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 05:11	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 05:11	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 05:11	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 05:11	
Phenol	ND	1.0	ug/l	1	09/12/18 05:11	
Pyrene	ND	1.0	ug/l	1	09/12/18 05:11	
Surrogate(s)						
2,4,6-Tribromophenol	*73%*	*25-102*	*Conc: 36.4*		*09/12/18 05:11*	
2-Fluorobiphenyl	*67%*	*22-107*	*Conc: 16.9*		*09/12/18 05:11*	
2-Fluorophenol	*44%*	*3-74*	*Conc: 21.9*		*09/12/18 05:11*	
Nitrobenzene-d5	*67%*	*27-111*	*Conc: 16.8*		*09/12/18 05:11*	
Phenol-d5	*28%*	*0.1-53*	*Conc: 14.1*		*09/12/18 05:11*	
Terphenyl-d14	*94%*	*28-113*	*Conc: 23.4*		*09/12/18 05:11*	

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Sample Results

(Continued)

Sample: MCWP-MW07D (405734-004) Sampled: 08/21/18 11:00 by Client

8H22101-04 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/28/18 12:16	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/27/18 19:35	M-05
Chlorite	ND	50	ug/l	5	08/27/18 19:35	M-05
Surrogate(s)						
Dichloroacetate	*99%*	*90-115*	*Conc: 497*		*08/27/18 19:35*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 21:17	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 21:17	
Method: EPA 508 **Batch ID:** W8H1360 **Instr:** GC07 **Prepared:** 08/23/18 08:11 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	08/31/18 00:53	
4,4´-DDE	ND	0.010	ug/l	1	08/31/18 00:53	
4,4´-DDT	ND	0.010	ug/l	1	08/31/18 00:53	
Aldrin	ND	0.010	ug/l	1	08/31/18 00:53	
alpha-BHC	ND	0.010	ug/l	1	08/31/18 00:53	
Aroclor 1016	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1221	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1232	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1242	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1248	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1254	ND	0.10	ug/l	1	08/31/18 00:53	
Aroclor 1260	ND	0.10	ug/l	1	08/31/18 00:53	
beta-BHC	ND	0.010	ug/l	1	08/31/18 00:53	
Chlordane (tech)	ND	0.10	ug/l	1	08/31/18 00:53	
Chlorothalonil	ND	0.050	ug/l	1	08/31/18 00:53	
delta-BHC	ND	0.010	ug/l	1	08/31/18 00:53	
Dieldrin	ND	0.010	ug/l	1	08/31/18 00:53	
Endosulfan I	ND	0.010	ug/l	1	08/31/18 00:53	
Endosulfan II	ND	0.010	ug/l	1	08/31/18 00:53	
Endosulfan sulfate	ND	0.010	ug/l	1	08/31/18 00:53	
Endrin	ND	0.010	ug/l	1	08/31/18 00:53	
Endrin aldehyde	ND	0.010	ug/l	1	08/31/18 00:53	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	08/31/18 00:53	
Heptachlor	ND	0.010	ug/l	1	08/31/18 00:53	
Heptachlor epoxide	ND	0.010	ug/l	1	08/31/18 00:53	
Hexachlorobenzene	ND	0.050	ug/l	1	08/31/18 00:53	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	08/31/18 00:53	
Methoxychlor	ND	0.010	ug/l	1	08/31/18 00:53	
PCBs, Total	ND	0.50	ug/l	1	08/31/18 00:53	
Propachlor	ND	0.050	ug/l	1	08/31/18 00:53	
Toxaphene	ND	0.50	ug/l	1	08/31/18 00:53	

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Sample Results

(Continued)

Sample: MCWP-MW07D (405734-004) Sampled: 08/21/18 11:00 by Client

8H22101-04 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1360 **Instr:** GC07		**Prepared:** 08/23/18 08:11			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	08/31/18 00:53	
Surrogate(s)						
Decachlorobiphenyl	*59%*	*70-130*	*Conc: 0.0586*		*08/31/18 00:53*	*S-GC*
Tetrachloro-meta-xylene	*95%*	*70-130*	*Conc: 0.0952*		*08/31/18 00:53*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 04:02	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 04:02	
2,4-D	ND	0.40	ug/l	1	09/05/18 04:02	
2,4-DB	ND	2.0	ug/l	1	09/05/18 04:02	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 04:02	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 04:02	
Bentazon	ND	2.0	ug/l	1	09/05/18 04:02	
Dalapon	ND	0.40	ug/l	1	09/05/18 04:02	
DCPA	ND	0.10	ug/l	1	09/05/18 04:02	
Dicamba	ND	0.60	ug/l	1	09/05/18 04:02	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 04:02	
Dinoseb	ND	0.40	ug/l	1	09/05/18 04:02	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 04:02	
Picloram	ND	0.60	ug/l	1	09/05/18 04:02	
Surrogate(s)						
2,4-DCAA	*82%*	*70-130*	*Conc: 8.20*		*09/05/18 04:02*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/05/18 22:07	
Atrazine	ND	0.10	ug/l	1	09/05/18 22:07	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/05/18 22:07	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/05/18 22:07	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/05/18 22:07	
Bromacil	ND	0.50	ug/l	1	09/05/18 22:07	
Butachlor	ND	0.10	ug/l	1	09/05/18 22:07	
Captan	ND	1.0	ug/l	1	09/05/18 22:07	
Chlorpropham	ND	0.10	ug/l	1	09/05/18 22:07	
Cyanazine	ND	0.10	ug/l	1	09/05/18 22:07	
Diazinon	ND	0.10	ug/l	1	09/05/18 22:07	
Dimethoate	ND	0.20	ug/l	1	09/05/18 22:07	
Diphenamid	ND	0.10	ug/l	1	09/05/18 22:07	
Disulfoton	ND	0.10	ug/l	1	09/05/18 22:07	
EPTC	ND	0.10	ug/l	1	09/05/18 22:07	
Metolachlor	ND	0.10	ug/l	1	09/05/18 22:07	
Metribuzin	ND	0.10	ug/l	1	09/05/18 22:07	
Molinate	ND	0.10	ug/l	1	09/05/18 22:07	
Prometon	ND	0.10	ug/l	1	09/05/18 22:07	

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Sample Results

(Continued)

Sample: MCWP-MW07D (405734-004) Sampled: 08/21/18 11:00 by Client

8H22101-04 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Prometryn	ND	0.10	ug/l	1	09/05/18 22:07	
Simazine	ND	0.10	ug/l	1	09/05/18 22:07	
Terbacil	ND	2.0	ug/l	1	09/05/18 22:07	
Thiobencarb	ND	0.10	ug/l	1	09/05/18 22:07	
Trithion	ND	0.10	ug/l	1	09/05/18 22:07	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*102%*	*70-130*	*Conc: 5.11*		*09/05/18 22:07*	
Perylene-d12	*88%*	*50-120*	*Conc: 4.39*		*09/05/18 22:07*	
Triphenyl phosphate	*111%*	*70-130*	*Conc: 5.53*		*09/05/18 22:07*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 07:55	
Aldicarb	ND	2.0	ug/l	1	08/29/18 07:55	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 07:55	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 07:55	
Carbaryl	ND	2.0	ug/l	1	08/29/18 07:55	
Carbofuran	ND	2.0	ug/l	1	08/29/18 07:55	
Methiocarb	ND	2.0	ug/l	1	08/29/18 07:55	
Methomyl	ND	2.0	ug/l	1	08/29/18 07:55	
Oxamyl	ND	2.0	ug/l	1	08/29/18 07:55	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 07:55	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10		**Prepared:** 08/23/18 14:30			**Analyst:** blg	
Glyphosate	ND	5.0	ug/l	1	08/24/18 16:41	
Method: EPA 548.1 **Batch ID:** W8H1278 **Instr:** GCMS06		**Prepared:** 08/22/18 07:58			**Analyst:** etn	
Endothall	ND	40	ug/l	1	08/30/18 11:52	
Method: EPA 549.2 **Batch ID:** W8H1361 **Instr:** LC11		**Prepared:** 08/23/18 08:12			**Analyst:** blg	
Diquat	ND	2.0	ug/l	1	09/06/18 17:31	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05		**Prepared:** 08/27/18 07:53			**Analyst:** cam	
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 08:34	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 08:34	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 08:34	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 08:34	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 08:34	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 08:34	
Surrogate(s)						
2,3-Dibromopropionic acid	*118%*	*70-130*	*Conc: 11.8*		*08/28/18 08:34*	
Method: EPA 625 **Batch ID:** W8H1365 **Instr:** GCMS06		**Prepared:** 08/23/18 08:18			**Analyst:** etn	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 05:41	

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Sample Results

(Continued)

Sample: MCWP-MW07D (405734-004) Sampled: 08/21/18 11:00 by Client

8H22101-04 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 05:41	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 05:41	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 05:41	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 05:41	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 05:41	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 05:41	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 05:41	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 05:41	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 05:41	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 05:41	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 05:41	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 05:41	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 05:41	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 05:41	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 05:41	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 05:41	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 05:41	
Anthracene	ND	1.0	ug/l	1	09/12/18 05:41	
Benzidine	ND	10	ug/l	1	09/12/18 05:41	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 05:41	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 05:41	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 05:41	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 05:41	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 05:41	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 05:41	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 05:41	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 05:41	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/12/18 05:41	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 05:41	
Chrysene	ND	1.0	ug/l	1	09/12/18 05:41	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 05:41	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 05:41	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 05:41	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 05:41	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 05:41	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 05:41	
Fluorene	ND	1.0	ug/l	1	09/12/18 05:41	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 05:41	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 05:41	

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Sample Results

(Continued)

Sample: MCWP-MW07D (405734-004) Sampled: 08/21/18 11:00 by Client

8H22101-04 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1365 **Instr:** GCMS06 **Prepared:** 08/23/18 08:18 **Analyst:** etn						
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 05:41	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 05:41	
Isophorone	ND	1.0	ug/l	1	09/12/18 05:41	
Naphthalene	ND	1.0	ug/l	1	09/12/18 05:41	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 05:41	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 05:41	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 05:41	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 05:41	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 05:41	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 05:41	
Phenol	ND	1.0	ug/l	1	09/12/18 05:41	
Pyrene	ND	1.0	ug/l	1	09/12/18 05:41	
Surrogate(s)						
2,4,6-Tribromophenol	*70%*	*25-102*	*Conc: 35.1*		*09/12/18 05:41*	
2-Fluorobiphenyl	*58%*	*22-107*	*Conc: 14.6*		*09/12/18 05:41*	
2-Fluorophenol	*39%*	*3-74*	*Conc: 19.6*		*09/12/18 05:41*	
Nitrobenzene-d5	*58%*	*27-111*	*Conc: 14.6*		*09/12/18 05:41*	
Phenol-d5	*25%*	*0.1-53*	*Conc: 12.6*		*09/12/18 05:41*	
Terphenyl-d14	*96%*	*28-113*	*Conc: 23.9*		*09/12/18 05:41*	

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Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1365 - EPA 625/L-L SF										
Blank (W8H1365-BLK1)				**Prepared: 08/23/18**	**Analyzed: 09/12/18**					
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1365 - EPA 625/L-L SF (Continued)										
Blank (W8H1365-BLK1)				**Prepared: 08/23/18 Analyzed: 09/12/18**						
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*26.1*		*ug/l*	*50.0*		*52*	*25-102*			
2-Fluorobiphenyl	*13.2*		*ug/l*	*25.0*		*53*	*22-107*			
2-Fluorophenol	*19.1*		*ug/l*	*50.0*		*38*	*3-74*			
Nitrobenzene-d5	*13.5*		*ug/l*	*25.0*		*54*	*27-111*			
Phenol-d5	*12.0*		*ug/l*	*50.0*		*24*	*0.1-53*			
Terphenyl-d14	*20.8*		*ug/l*	*25.0*		*83*	*28-113*			
LCS (W8H1365-BS1)				**Prepared: 08/23/18 Analyzed: 09/12/18**						
1,2,4-Trichlorobenzene	14.4	1.0	ug/l	25.0		58	44-142			
1,2-Dichlorobenzene	14.2	1.0	ug/l	25.0		57	32-129			
1,3-Dichlorobenzene	13.7	1.0	ug/l	25.0		55	0.1-172			
1,4-Dichlorobenzene	13.9	1.0	ug/l	25.0		56	20-124			
2,4,6-Trichlorophenol	16.1	1.0	ug/l	25.0		64	37-144			
2,4-Dichlorophenol	16.1	1.0	ug/l	25.0		64	39-135			
2,4-Dimethylphenol	12.2	1.0	ug/l	25.0		49	32-119			
2,4-Dinitrophenol	28.5	5.0	ug/l	25.0		114	0.1-191			
2,4-Dinitrotoluene	20.7	1.0	ug/l	25.0		83	39-139			
2,6-Dinitrotoluene	16.7	1.0	ug/l	25.0		67	50-158			
2-Chloronaphthalene	15.4	1.0	ug/l	25.0		62	60-118			
2-Chlorophenol	14.3	1.0	ug/l	25.0		57	23-134			
2-Methyl-4,6-dinitrophenol	26.4	1.0	ug/l	25.0		106	0.1-181			
2-Nitrophenol	16.5	1.0	ug/l	25.0		66	29-182			
3,3'-Dichlorobenzidine	16.7	1.0	ug/l	25.0		67	0.1-262			
4-Bromophenyl phenyl ether	18.7	1.0	ug/l	25.0		75	53-127			
4-Chloro-3-methylphenol	15.4	1.0	ug/l	25.0		62	22-147			
4-Chlorophenyl phenyl ether	16.1	1.0	ug/l	25.0		65	25-158			
4-Nitrophenol	10.3	2.0	ug/l	25.0		41	0.1-132			
Acenaphthene	15.6	1.0	ug/l	25.0		62	47-145			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1365 - EPA 625/L-L SF (Continued)										
LCS (W8H1365-BS1)				**Prepared: 08/23/18**	**Analyzed: 09/12/18**					
Acenaphthylene	16.7	1.0	ug/l	25.0		67	33-145			
Anthracene	19.8	1.0	ug/l	25.0		79	27-133			
Benzo (a) anthracene	25.1	1.0	ug/l	25.0		100	33-143			
Benzo (a) pyrene	23.1	1.0	ug/l	25.0		92	17-163			
Benzo (b) fluoranthene	23.5	1.0	ug/l	25.0		94	24-159			
Benzo (g,h,i) perylene	23.6	1.0	ug/l	25.0		94	0.1-219			
Benzo (k) fluoranthene	23.4	1.0	ug/l	25.0		94	11-162			
Bis(2-chloroethoxy)methane	14.0	1.0	ug/l	25.0		56	33-184			
Bis(2-chloroethyl)ether	15.3	1.0	ug/l	25.0		61	12-158			
Bis(2-chloroisopropyl)ether	13.1	1.0	ug/l	25.0		52	36-166			
Bis(2-ethylhexyl)phthalate	27.4	2.0	ug/l	25.0		110	8-158			
Butyl benzyl phthalate	25.0	1.0	ug/l	25.0		100	0.1-152			
Chrysene	22.8	1.0	ug/l	25.0		91	17-168			
Dibenzo (a,h) anthracene	24.1	1.0	ug/l	25.0		97	0.1-227			
Diethyl phthalate	19.2	1.0	ug/l	25.0		77	0.1-114			
Dimethyl phthalate	16.9	1.0	ug/l	25.0		68	0.1-112			
Di-n-butyl phthalate	24.8	1.0	ug/l	25.0		99	1-118			
Di-n-octyl phthalate	22.5	1.0	ug/l	25.0		90	4-146			
Fluoranthene	24.2	1.0	ug/l	25.0		97	26-137			
Fluorene	16.5	1.0	ug/l	25.0		66	59-121			
Hexachlorobenzene	18.8	1.0	ug/l	25.0		75	0.1-152			
Hexachlorobutadiene	14.4	1.0	ug/l	25.0		58	24-116			
Hexachlorocyclopentadiene	5.28	5.0	ug/l	25.0		21	0.1-81			
Hexachloroethane	14.3	1.0	ug/l	25.0		57	40-113			
Indeno (1,2,3-cd) pyrene	25.6	1.0	ug/l	25.0		102	0.1-171			
Isophorone	12.6	1.0	ug/l	25.0		50	21-196			
Naphthalene	14.7	1.0	ug/l	25.0		59	21-133			
Nitrobenzene	15.6	1.0	ug/l	25.0		62	35-180			
N-Nitrosodimethylamine	9.71	1.0	ug/l	25.0		39	20-83			
N-Nitrosodi-n-propylamine	14.9	1.0	ug/l	25.0		60	0.1-230			
N-Nitrosodiphenylamine	14.8	1.0	ug/l	25.0		59	42-90			
Pentachlorophenol	18.3	1.0	ug/l	25.0		73	14-176			
Phenanthrene	20.1	1.0	ug/l	25.0		80	54-120			
Phenol	6.13	1.0	ug/l	25.0		25	5-112			
Pyrene	24.3	1.0	ug/l	25.0		97	52-115			
Surrogate(s)										
2,4,6-Tribromophenol	*37.2*		*ug/l*	*50.0*		*74*	*25-102*			
2-Fluorobiphenyl	*15.2*		*ug/l*	*25.0*		*61*	*22-107*			
2-Fluorophenol	*20.1*		*ug/l*	*50.0*		*40*	*3-74*			
Nitrobenzene-d5	*14.7*		*ug/l*	*25.0*		*59*	*27-111*			
Phenol-d5	*12.9*		*ug/l*	*50.0*		*26*	*0.1-53*			
Terphenyl-d14	*24.7*		*ug/l*	*25.0*		*99*	*28-113*			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1365 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1365-BSD1)				**Prepared: 08/23/18**	**Analyzed: 09/12/18**					
1,2,4-Trichlorobenzene	15.9	1.0	ug/l	25.0		64	44-142	10	30	
1,2-Dichlorobenzene	15.9	1.0	ug/l	25.0		63	32-129	11	30	
1,3-Dichlorobenzene	15.3	1.0	ug/l	25.0		61	0.1-172	11	30	
1,4-Dichlorobenzene	15.6	1.0	ug/l	25.0		62	20-124	11	30	
2,4,6-Trichlorophenol	17.1	1.0	ug/l	25.0		68	37-144	6	30	
2,4-Dichlorophenol	17.5	1.0	ug/l	25.0		70	39-135	8	30	
2,4-Dimethylphenol	14.4	1.0	ug/l	25.0		58	32-119	17	30	
2,4-Dinitrophenol	26.7	5.0	ug/l	25.0		107	0.1-191	7	30	
2,4-Dinitrotoluene	19.9	1.0	ug/l	25.0		80	39-139	4	30	
2,6-Dinitrotoluene	17.3	1.0	ug/l	25.0		69	50-158	3	30	
2-Chloronaphthalene	16.7	1.0	ug/l	25.0		67	60-118	8	30	
2-Chlorophenol	15.9	1.0	ug/l	25.0		64	23-134	11	30	
2-Methyl-4,6-dinitrophenol	23.9	1.0	ug/l	25.0		96	0.1-181	10	30	
2-Nitrophenol	18.0	1.0	ug/l	25.0		72	29-182	9	30	
3,3'-Dichlorobenzidine	15.6	1.0	ug/l	25.0		62	0.1-262	7	30	
4-Bromophenyl phenyl ether	18.8	1.0	ug/l	25.0		75	53-127	0.8	30	
4-Chloro-3-methylphenol	16.6	1.0	ug/l	25.0		66	22-147	8	30	
4-Chlorophenyl phenyl ether	16.9	1.0	ug/l	25.0		68	25-158	5	30	
4-Nitrophenol	9.35	2.0	ug/l	25.0		37	0.1-132	10	30	
Acenaphthene	17.8	1.0	ug/l	25.0		71	47-145	13	30	
Acenaphthylene	17.7	1.0	ug/l	25.0		71	33-145	6	30	
Anthracene	18.7	1.0	ug/l	25.0		75	27-133	6	30	
Benzo (a) anthracene	22.3	1.0	ug/l	25.0		89	33-143	12	30	
Benzo (a) pyrene	21.1	1.0	ug/l	25.0		84	17-163	9	30	
Benzo (b) fluoranthene	21.3	1.0	ug/l	25.0		85	24-159	10	30	
Benzo (g,h,i) perylene	21.1	1.0	ug/l	25.0		84	0.1-219	11	30	
Benzo (k) fluoranthene	20.8	1.0	ug/l	25.0		83	11-162	12	30	
Bis(2-chloroethoxy)methane	15.2	1.0	ug/l	25.0		61	33-184	9	30	
Bis(2-chloroethyl)ether	17.0	1.0	ug/l	25.0		68	12-158	11	30	
Bis(2-chloroisopropyl)ether	14.4	1.0	ug/l	25.0		58	36-166	10	30	
Bis(2-ethylhexyl)phthalate	23.6	2.0	ug/l	25.0		94	8-158	15	30	
Butyl benzyl phthalate	22.2	1.0	ug/l	25.0		89	0.1-152	12	30	
Chrysene	20.3	1.0	ug/l	25.0		81	17-168	12	30	
Dibenzo (a,h) anthracene	21.3	1.0	ug/l	25.0		85	0.1-227	12	30	
Diethyl phthalate	18.2	1.0	ug/l	25.0		73	0.1-114	5	30	
Dimethyl phthalate	16.9	1.0	ug/l	25.0		68	0.1-112	0.1	30	
Di-n-butyl phthalate	21.8	1.0	ug/l	25.0		87	1-118	13	30	
Di-n-octyl phthalate	20.1	1.0	ug/l	25.0		81	4-146	11	30	
Fluoranthene	21.3	1.0	ug/l	25.0		85	26-137	13	30	
Fluorene	17.1	1.0	ug/l	25.0		68	59-121	4	30	
Hexachlorobenzene	18.0	1.0	ug/l	25.0		72	0.1-152	4	30	
Hexachlorobutadiene	16.1	1.0	ug/l	25.0		65	24-116	11	30	

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1365 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1365-BSD1)				**Prepared: 08/23/18**	**Analyzed: 09/12/18**					
Hexachlorocyclopentadiene	6.46	5.0	ug/l	25.0		26	0.1-81	20	30	
Hexachloroethane	16.0	1.0	ug/l	25.0		64	40-113	11	30	
Indeno (1,2,3-cd) pyrene	22.6	1.0	ug/l	25.0		90	0.1-171	13	30	
Isophorone	13.4	1.0	ug/l	25.0		54	21-196	7	30	
Naphthalene	16.3	1.0	ug/l	25.0		65	21-133	10	30	
Nitrobenzene	17.1	1.0	ug/l	25.0		69	35-180	10	30	
N-Nitrosodimethylamine	10.8	1.0	ug/l	25.0		43	20-83	11	30	
N-Nitrosodi-n-propylamine	16.3	1.0	ug/l	25.0		65	0.1-230	9	30	
N-Nitrosodiphenylamine	14.9	1.0	ug/l	25.0		60	42-90	0.6	30	
Pentachlorophenol	16.2	1.0	ug/l	25.0		65	14-176	12	30	
Phenanthrene	18.9	1.0	ug/l	25.0		76	54-120	6	30	
Phenol	6.80	1.0	ug/l	25.0		27	5-112	10	30	
Pyrene	21.3	1.0	ug/l	25.0		85	52-115	13	30	
Surrogate(s)										
2,4,6-Tribromophenol	*35.9*		*ug/l*	*50.0*		*72*	*25-102*			
2-Fluorobiphenyl	*16.2*		*ug/l*	*25.0*		*65*	*22-107*			
2-Fluorophenol	*22.4*		*ug/l*	*50.0*		*45*	*3-74*			
Nitrobenzene-d5	*16.1*		*ug/l*	*25.0*		*64*	*27-111*			
Phenol-d5	*14.4*		*ug/l*	*50.0*		*29*	*0.1-53*			
Terphenyl-d14	*21.3*		*ug/l*	*25.0*		*85*	*28-113*			

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1526 - EPA 300.1/Dir Inj										
Blank (W8H1526-BLK1)				**Prepared & Analyzed: 08/27/18**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
LCS (W8H1526-BS1)				**Prepared & Analyzed: 08/27/18**						
Bromate	93.1	5.0	ug/l	100		93	85-115			
Chlorite	90.2	10	ug/l	100		90	85-115			
Surrogate(s)										
Dichloroacetate	*509*		*ug/l*	*500*		*102*	*90-115*			
Dichloroacetate	*509*		*ug/l*	*500*		*102*	*90-115*			
Matrix Spike (W8H1526-MS1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	80.6	5.0	ug/l	100	*ND*	81	64-133			
Chlorite	85.4	10	ug/l	100	*ND*	85	78-129			
Surrogate(s)										
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Matrix Spike (W8H1526-MS2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	253	25	ug/l	500	*ND*	51	64-133			MS-05
Chlorite	440	50	ug/l	500	*ND*	88	78-129			
Surrogate(s)										
Dichloroacetate	*532*		*ug/l*	*500*		*106*	*90-115*			
Dichloroacetate	*532*		*ug/l*	*500*		*106*	*90-115*			
Matrix Spike Dup (W8H1526-MSD1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	82.7	5.0	ug/l	100	*ND*	83	64-133	3	20	
Chlorite	84.9	10	ug/l	100	*ND*	85	78-129	0.6	20	
Surrogate(s)										
Dichloroacetate	*496*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*496*		*ug/l*	*500*		*99*	*90-115*			
Matrix Spike Dup (W8H1526-MSD2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	251	25	ug/l	500	*ND*	50	64-133	1	20	MS-05
Chlorite	432	50	ug/l	500	*ND*	86	78-129	2	20	
Surrogate(s)										
Dichloroacetate	*514*		*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate	*514*		*ug/l*	*500*		*103*	*90-115*			

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection										
Blank (W8H1676-BLK1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
LCS (W8H1676-BS1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.06	2.0	ug/l	10.0		91	80-120			
Aldicarb	9.99	2.0	ug/l	10.0		100	80-120			
Aldicarb sulfone	10.1	2.0	ug/l	10.0		101	80-120			
Aldicarb sulfoxide	9.91	2.0	ug/l	10.0		99	80-120			
Carbaryl	10.7	2.0	ug/l	10.0		107	80-120			
Carbofuran	9.82	2.0	ug/l	10.0		98	80-120			
Methiocarb	9.76	2.0	ug/l	10.0		98	80-120			
Methomyl	11.0	2.0	ug/l	10.0		110	80-120			
Oxamyl	10.9	2.0	ug/l	10.0		109	80-120			
Propoxur (Baygon)	9.73	2.0	ug/l	10.0		97	80-120			
Matrix Spike (W8H1676-MS1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.88	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb	9.90	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb sulfone	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Aldicarb sulfoxide	10.1	2.0	ug/l	10.0	*ND*	101	65-135			
Carbaryl	10.6	2.0	ug/l	10.0	*ND*	106	65-135			
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Methiocarb	10.3	2.0	ug/l	10.0	*ND*	103	65-135			
Methomyl	9.15	2.0	ug/l	10.0	*ND*	91	65-135			
Oxamyl	11.7	2.0	ug/l	10.0	*ND*	117	65-135			
Propoxur (Baygon)	9.62	2.0	ug/l	10.0	*ND*	96	65-135			
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.37	2.0	ug/l	10.0	*ND*	94	65-135	5	30	
Aldicarb	9.64	2.0	ug/l	10.0	*ND*	96	65-135	3	30	
Aldicarb sulfone	10.1	2.0	ug/l	10.0	*ND*	101	65-135	3	30	
Aldicarb sulfoxide	9.83	2.0	ug/l	10.0	*ND*	98	65-135	2	30	
Carbaryl	10.4	2.0	ug/l	10.0	*ND*	104	65-135	2	30	
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135	0.5	30	
Methiocarb	10.6	2.0	ug/l	10.0	*ND*	106	65-135	2	30	
Methomyl	10.7	2.0	ug/l	10.0	*ND*	107	65-135	16	30	
Oxamyl	10.2	2.0	ug/l	10.0	*ND*	102	65-135	14	30	

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection (Continued)										
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
Propoxur (Baygon)	10.3	2.0	ug/l	10.0	*ND*	103	65-135	7	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz.										
Blank (W8H1439-BLK1)				**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*11.7*		*ug/l*	*10.0*		*117*	*70-130*			
LCS (W8H1439-BS1)				**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	5.08	0.20	ug/l	4.00		127	70-130			
2,4,5-TP (Silvex)	5.00	0.20	ug/l	4.00		125	70-130			
2,4-D	8.94	0.40	ug/l	8.00		112	70-130			
2,4-DB	20.2	2.0	ug/l	16.0		126	70-130			
3,5-Dichlorobenzoic acid	9.77	1.0	ug/l	8.00		122	70-130			
Acifluorfen	4.42	0.40	ug/l	4.00		110	70-130			
Bentazon	17.4	2.0	ug/l	16.0		108	70-130			
Dalapon	10.2	0.40	ug/l	8.00		127	70-130			
DCPA	4.12	0.10	ug/l	4.00		103	70-130			
Dicamba	9.98	0.60	ug/l	8.00		125	70-130			
Dichloroprop	9.43	0.30	ug/l	8.00		118	70-130			
Dinoseb	5.01	0.40	ug/l	4.00		125	70-130			
Pentachlorophenol	3.98	0.20	ug/l	4.00		100	70-130			
Picloram	4.78	0.60	ug/l	4.00		120	70-130			
Surrogate(s)										
2,4-DCAA	*12.0*		*ug/l*	*10.0*		*120*	*70-130*			
Matrix Spike (W8H1439-MS1)	**Source: 8H21038-01**			**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	4.56	0.20	ug/l	4.00	*ND*	114	70-130			
2,4,5-TP (Silvex)	4.56	0.20	ug/l	4.00	*ND*	114	70-130			
2,4-D	9.94	0.40	ug/l	8.00	*ND*	124	70-130			
2,4-DB	19.2	2.0	ug/l	16.0	*ND*	120	70-130			
3,5-Dichlorobenzoic acid	10.3	1.0	ug/l	8.00	*ND*	129	70-130			
Acifluorfen	4.49	0.40	ug/l	4.00	*ND*	112	70-130			
Bentazon	17.7	2.0	ug/l	16.0	*ND*	111	70-130			
Dalapon	9.61	0.40	ug/l	8.00	*ND*	120	70-130			
DCPA	4.48	0.10	ug/l	4.00	*ND*	112	70-130			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike (W8H1439-MS1)	**Source: 8H21038-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
Dicamba	9.96	0.60	ug/l	8.00	*ND*	124	70-130			
Dichloroprop	9.57	0.30	ug/l	8.00	*ND*	120	70-130			
Dinoseb	4.64	0.40	ug/l	4.00	*ND*	116	70-130			
Pentachlorophenol	3.99	0.20	ug/l	4.00	*ND*	100	70-130			
Picloram	4.88	0.60	ug/l	4.00	*ND*	122	70-130			
Surrogate(s)										
2,4-DCAA	*12.6*		*ug/l*	*10.0*		*126*	*70-130*			
Matrix Spike (W8H1439-MS2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.48	0.20	ug/l	4.00	*ND*	112	70-130			
2,4,5-TP (Silvex)	4.48	0.20	ug/l	4.00	*ND*	112	70-130			
2,4-D	9.15	0.40	ug/l	8.00	*ND*	114	70-130			
2,4-DB	17.9	2.0	ug/l	16.0	*ND*	112	70-130			
3,5-Dichlorobenzoic acid	9.26	1.0	ug/l	8.00	*ND*	116	70-130			
Acifluorfen	4.33	0.40	ug/l	4.00	*ND*	108	70-130			
Bentazon	16.7	2.0	ug/l	16.0	*ND*	104	70-130			
Dalapon	9.87	0.40	ug/l	8.00	*ND*	123	70-130			
DCPA	4.43	0.10	ug/l	4.00	*ND*	111	70-130			
Dicamba	6.63	0.60	ug/l	8.00	*ND*	83	70-130			
Dichloroprop	9.20	0.30	ug/l	8.00	*ND*	115	70-130			
Dinoseb	4.46	0.40	ug/l	4.00	*ND*	111	70-130			
Pentachlorophenol	3.84	0.20	ug/l	4.00	*ND*	96	70-130			
Picloram	4.62	0.60	ug/l	4.00	*ND*	116	70-130			
Surrogate(s)										
2,4-DCAA	*11.8*		*ug/l*	*10.0*		*118*	*70-130*			
Matrix Spike Dup (W8H1439-MSD1)	**Source: 8H21038-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.39	0.20	ug/l	4.00	*ND*	110	70-130	4	30	
2,4,5-TP (Silvex)	4.41	0.20	ug/l	4.00	*ND*	110	70-130	3	30	
2,4-D	8.82	0.40	ug/l	8.00	*ND*	110	70-130	12	30	
2,4-DB	17.7	2.0	ug/l	16.0	*ND*	110	70-130	8	30	
3,5-Dichlorobenzoic acid	8.93	1.0	ug/l	8.00	*ND*	112	70-130	14	30	
Acifluorfen	4.50	0.40	ug/l	4.00	*ND*	113	70-130	0.2	30	
Bentazon	16.3	2.0	ug/l	16.0	*ND*	102	70-130	8	30	
Dalapon	7.11	0.40	ug/l	8.00	*ND*	89	70-130	30	30	
DCPA	4.46	0.10	ug/l	4.00	*ND*	112	70-130	0.4	30	
Dicamba	6.78	0.60	ug/l	8.00	*ND*	85	70-130	38	30	MS-05
Dichloroprop	8.77	0.30	ug/l	8.00	*ND*	110	70-130	9	30	
Dinoseb	4.47	0.40	ug/l	4.00	*ND*	112	70-130	4	30	
Pentachlorophenol	3.70	0.20	ug/l	4.00	*ND*	93	70-130	7	30	
Picloram	4.56	0.60	ug/l	4.00	*ND*	114	70-130	7	30	
Surrogate(s)										
2,4-DCAA	*11.7*		*ug/l*	*10.0*		*117*	*70-130*			
Matrix Spike Dup (W8H1439-MSD2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.43	0.20	ug/l	4.00	*ND*	111	70-130	1	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike Dup (W8H1439-MSD2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-TP (Silvex)	4.46	0.20	ug/l	4.00	*ND*	112	70-130	0.3	30	
2,4-D	8.49	0.40	ug/l	8.00	*ND*	106	70-130	7	30	
2,4-DB	17.1	2.0	ug/l	16.0	*ND*	107	70-130	5	30	
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	*ND*	110	70-130	5	30	
Acifluorfen	4.36	0.40	ug/l	4.00	*ND*	109	70-130	0.9	30	
Bentazon	16.3	2.0	ug/l	16.0	*ND*	102	70-130	2	30	
Dalapon	9.11	0.40	ug/l	8.00	*ND*	114	70-130	8	30	
DCPA	4.46	0.10	ug/l	4.00	*ND*	111	70-130	0.7	30	
Dicamba	6.60	0.60	ug/l	8.00	*ND*	83	70-130	0.4	30	
Dichloroprop	8.55	0.30	ug/l	8.00	*ND*	107	70-130	7	30	
Dinoseb	4.41	0.40	ug/l	4.00	*ND*	110	70-130	1	30	
Pentachlorophenol	3.98	0.20	ug/l	4.00	*ND*	100	70-130	4	30	
Picloram	4.52	0.60	ug/l	4.00	*ND*	113	70-130	2	30	
Surrogate(s)										
2,4-DCAA	*11.2*		*ug/l*	*10.0*		*112*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1360 - EPA 508/L-L SF										
Blank (W8H1360-BLK1)				**Prepared: 08/23/18 Analyzed: 08/30/18**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl		*0.125*	*ug/l*	*0.100*		*125*	*70-130*			
Tetrachloro-meta-xylene		*0.0827*	*ug/l*	*0.100*		*83*	*70-130*			
Blank (W8H1360-BLK2)				**Prepared: 08/23/18 Analyzed: 09/04/18**						
4,4´-DDD	ND	0.010	ug/l							QC-2
4,4´-DDE	ND	0.010	ug/l							QC-2
4,4´-DDT	ND	0.010	ug/l							QC-2
Aldrin	ND	0.010	ug/l							QC-2
alpha-BHC	ND	0.010	ug/l							QC-2
Aroclor 1016	ND	0.10	ug/l							QC-2
Aroclor 1221	ND	0.10	ug/l							QC-2

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Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1360 - EPA 508/L-L SF (Continued)										
Blank (W8H1360-BLK2)				**Prepared: 08/23/18 Analyzed: 09/04/18**						
Aroclor 1232	ND	0.10	ug/l							QC-2
Aroclor 1242	ND	0.10	ug/l							QC-2
Aroclor 1248	ND	0.10	ug/l							QC-2
Aroclor 1254	ND	0.10	ug/l							QC-2
Aroclor 1260	ND	0.10	ug/l							QC-2
beta-BHC	ND	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.10	ug/l							QC-2
Chlorothalonil	ND	0.050	ug/l							QC-2
delta-BHC	ND	0.010	ug/l							QC-2
Dieldrin	ND	0.010	ug/l							QC-2
Endosulfan I	ND	0.010	ug/l							QC-2
Endosulfan II	ND	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.010	ug/l							QC-2
Endrin	ND	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.010	ug/l							QC-2
Heptachlor	ND	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.050	ug/l							QC-2
Methoxychlor	ND	0.010	ug/l							QC-2
PCBs, Total	ND	0.50	ug/l							QC-2
Propachlor	ND	0.050	ug/l							QC-2
Toxaphene	ND	0.50	ug/l							QC-2
Trifluralin	ND	0.010	ug/l							QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.105*	*ug/l*	*0.100*		*105*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0811*	*ug/l*	*0.100*		*81*	*70-130*			*QC-2*
LCS (W8H1360-BS1)				**Prepared: 08/23/18 Analyzed: 08/30/18**						
4,4´-DDD	0.0998	0.010	ug/l	0.100		100	55-142			
4,4´-DDE	0.0927	0.010	ug/l	0.100		93	49-129			
4,4´-DDT	0.102	0.010	ug/l	0.100		102	54-160			
Aldrin	0.0834	0.010	ug/l	0.100		83	29-115			
alpha-BHC	0.0879	0.010	ug/l	0.100		88	59-131			
beta-BHC	0.0978	0.010	ug/l	0.100		98	63-136			
delta-BHC	0.104	0.010	ug/l	0.100		104	59-137			
Dieldrin	0.0978	0.010	ug/l	0.100		98	59-135			
Endosulfan I	0.0958	0.010	ug/l	0.100		96	28-138			
Endosulfan II	0.0934	0.010	ug/l	0.100		93	53-133			
Endosulfan sulfate	0.119	0.010	ug/l	0.100		119	58-155			
Endrin	0.103	0.010	ug/l	0.100		103	57-148			
Endrin aldehyde	0.0820	0.010	ug/l	0.100		82	45-139			
gamma-BHC (Lindane)	0.0884	0.010	ug/l	0.100		88	59-129			

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Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1360 - EPA 508/L-L SF (Continued)										
LCS (W8H1360-BS1)				**Prepared: 08/23/18**	**Analyzed: 08/30/18**					
Heptachlor	0.0852	0.010	ug/l	0.100		85	42-136			
Heptachlor epoxide	0.0961	0.010	ug/l	0.100		96	59-134			
Methoxychlor	0.117	0.010	ug/l	0.100		117	56-167			
Surrogate(s)										
Decachlorobiphenyl		*0.129*	*ug/l*	*0.100*		*129*	*70-130*			
Tetrachloro-meta-xylene		*0.0981*	*ug/l*	*0.100*		*98*	*70-130*			
LCS (W8H1360-BS2)				**Prepared: 08/23/18**	**Analyzed: 09/04/18**					
4,4´-DDD	0.0930	0.010	ug/l	0.100		93	55-142			QC-2
4,4´-DDE	0.0864	0.010	ug/l	0.100		86	49-129			QC-2
4,4´-DDT	0.0895	0.010	ug/l	0.100		89	54-160			QC-2
Aldrin	0.0826	0.010	ug/l	0.100		83	29-115			QC-2
alpha-BHC	0.0851	0.010	ug/l	0.100		85	59-131			QC-2
beta-BHC	0.0937	0.010	ug/l	0.100		94	63-136			QC-2
delta-BHC	0.0971	0.010	ug/l	0.100		97	59-137			QC-2
Dieldrin	0.0924	0.010	ug/l	0.100		92	59-135			QC-2
Endosulfan I	0.0913	0.010	ug/l	0.100		91	28-138			QC-2
Endosulfan II	0.0899	0.010	ug/l	0.100		90	53-133			QC-2
Endosulfan sulfate	0.113	0.010	ug/l	0.100		113	58-155			QC-2
Endrin	0.0854	0.010	ug/l	0.100		85	57-148			QC-2
Endrin aldehyde	0.0810	0.010	ug/l	0.100		81	45-139			QC-2
gamma-BHC (Lindane)	0.0848	0.010	ug/l	0.100		85	59-129			QC-2
Heptachlor	0.0815	0.010	ug/l	0.100		81	42-136			QC-2
Heptachlor epoxide	0.0947	0.010	ug/l	0.100		95	59-134			QC-2
Methoxychlor	0.0914	0.010	ug/l	0.100		91	56-167			QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.108*	*ug/l*	*0.100*		*108*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0969*	*ug/l*	*0.100*		*97*	*70-130*			*QC-2*
LCS Dup (W8H1360-BSD1)				**Prepared: 08/23/18**	**Analyzed: 08/30/18**					
4,4´-DDD	0.101	0.010	ug/l	0.100		101	55-142	0.9	25	
4,4´-DDE	0.0935	0.010	ug/l	0.100		93	49-129	0.9	25	
4,4´-DDT	0.104	0.010	ug/l	0.100		104	54-160	2	25	
Aldrin	0.0838	0.010	ug/l	0.100		84	29-115	0.5	25	
alpha-BHC	0.0873	0.010	ug/l	0.100		87	59-131	0.7	25	
beta-BHC	0.0982	0.010	ug/l	0.100		98	63-136	0.3	25	
delta-BHC	0.105	0.010	ug/l	0.100		105	59-137	0.8	25	
Dieldrin	0.0985	0.010	ug/l	0.100		99	59-135	0.7	25	
Endosulfan I	0.0966	0.010	ug/l	0.100		97	28-138	0.8	25	
Endosulfan II	0.0957	0.010	ug/l	0.100		96	53-133	2	25	
Endosulfan sulfate	0.119	0.010	ug/l	0.100		119	58-155	0.4	25	
Endrin	0.104	0.010	ug/l	0.100		104	57-148	0.8	25	
Endrin aldehyde	0.0878	0.010	ug/l	0.100		88	45-139	7	25	
gamma-BHC (Lindane)	0.0889	0.010	ug/l	0.100		89	59-129	0.5	25	
Heptachlor	0.0847	0.010	ug/l	0.100		85	42-136	0.5	25	

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Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1360 - EPA 508/L-L SF (Continued)										
LCS Dup (W8H1360-BSD1)				**Prepared: 08/23/18**	**Analyzed: 08/30/18**					
Heptachlor epoxide	0.0966	0.010	ug/l	0.100		97	59-134	0.5	25	
Methoxychlor	0.117	0.010	ug/l	0.100		117	56-167	0.4	25	
Surrogate(s)										
Decachlorobiphenyl		*0.125*	*ug/l*	*0.100*		*125*	*70-130*			
Tetrachloro-meta-xylene		*0.0795*	*ug/l*	*0.100*		*80*	*70-130*			
LCS Dup (W8H1360-BSD2)				**Prepared: 08/23/18**	**Analyzed: 09/04/18**					
4,4´-DDD	0.0955	0.010	ug/l	0.100		95	55-142	3	25	QC-2
4,4´-DDE	0.0891	0.010	ug/l	0.100		89	49-129	3	25	QC-2
4,4´-DDT	0.0925	0.010	ug/l	0.100		92	54-160	3	25	QC-2
Aldrin	0.0840	0.010	ug/l	0.100		84	29-115	2	25	QC-2
alpha-BHC	0.0850	0.010	ug/l	0.100		85	59-131	0.1	25	QC-2
beta-BHC	0.0944	0.010	ug/l	0.100		94	63-136	0.7	25	QC-2
delta-BHC	0.0992	0.010	ug/l	0.100		99	59-137	2	25	QC-2
Dieldrin	0.0953	0.010	ug/l	0.100		95	59-135	3	25	QC-2
Endosulfan I	0.0939	0.010	ug/l	0.100		94	28-138	3	25	QC-2
Endosulfan II	0.0913	0.010	ug/l	0.100		91	53-133	1	25	QC-2
Endosulfan sulfate	0.116	0.010	ug/l	0.100		116	58-155	2	25	QC-2
Endrin	0.0896	0.010	ug/l	0.100		90	57-148	5	25	QC-2
Endrin aldehyde	0.0854	0.010	ug/l	0.100		85	45-139	5	25	QC-2
gamma-BHC (Lindane)	0.0854	0.010	ug/l	0.100		85	59-129	0.7	25	QC-2
Heptachlor	0.0823	0.010	ug/l	0.100		82	42-136	1	25	QC-2
Heptachlor epoxide	0.0944	0.010	ug/l	0.100		94	59-134	0.3	25	QC-2
Methoxychlor	0.0950	0.010	ug/l	0.100		95	56-167	4	25	QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.108*	*ug/l*	*0.100*		*108*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0790*	*ug/l*	*0.100*		*79*	*70-130*			*QC-2*

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1361 - EPA 549.2/SPE										
Blank (W8H1361-BLK1)				**Prepared: 08/23/18**	**Analyzed: 09/06/18**					
Diquat	ND	2.0	ug/l							
LCS (W8H1361-BS1)				**Prepared: 08/23/18**	**Analyzed: 09/06/18**					
Diquat	18.0	2.0	ug/l	20.0		90	70-130			
Matrix Spike (W8H1361-MS1)	**Source: 8H21038-01**			**Prepared: 08/23/18**	**Analyzed: 09/06/18**					
Diquat	0.251	2.0	ug/l	20.0	*ND*	100	46-122			MS-05
Matrix Spike Dup (W8H1361-MSD1)	**Source: 8H21038-01**			**Prepared: 08/23/18**	**Analyzed: 09/06/18**					
Diquat	0.234	2.0	ug/l	20.0	*ND*	100	46-122	200	30	MS-05

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Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1278 - EPA 548.1/SPE										
Blank (W8H1278-BLK1)				**Prepared: 08/22/18**	**Analyzed: 08/30/18**					
Endothall	ND	40	ug/l							
LCS (W8H1278-BS1)				**Prepared: 08/22/18**	**Analyzed: 08/30/18**					
Endothall	98.1	40	ug/l	100		98	31-117			
Matrix Spike (W8H1278-MS1)	**Source: 8H21036-01**			**Prepared: 08/22/18**	**Analyzed: 08/30/18**					
Endothall	20.7	80	ug/l	200	*ND*	10	0.1-109			
Matrix Spike Dup (W8H1278-MSD1)	**Source: 8H21036-01**			**Prepared: 08/22/18**	**Analyzed: 08/30/18**					
Endothall	19.5	80	ug/l	200	*ND*	10	0.1-109	6	30	

Fumigants by EPA Method 504.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1645 - EPA 504.1/Micro Ext.										
Blank (W8H1645-BLK1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W8H1645-BS1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.105	0.010	ug/l	0.100		105	70-130			
1,2-Dibromoethane (EDB)	0.103	0.020	ug/l	0.100		103	70-130			
LCS (W8H1645-BS2)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0807	0.010	ug/l	0.100		81	70-130			
1,2-Dibromoethane (EDB)	0.0803	0.020	ug/l	0.100		80	70-130			
LCS (W8H1645-BS3)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0171	0.010	ug/l	0.0200		85	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.020	ug/l	0.0200		95	70-130			
Matrix Spike (W8H1645-MS1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.142	0.010	ug/l	0.100	*0.0228*	119	65-135			
1,2-Dibromoethane (EDB)	0.0745	0.020	ug/l	0.100	*ND*	75	65-135			
Matrix Spike Dup (W8H1645-MSD1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.140	0.010	ug/l	0.100	*0.0228*	117	65-135	2	30	
1,2-Dibromoethane (EDB)	0.0971	0.020	ug/l	0.100	*ND*	97	65-135	26	30	

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Quality Control Results

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Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1411 - Direct Injection										
Blank (W8H1411-BLK1)				**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	ND	5.0	ug/l							
LCS (W8H1411-BS1)				**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	26.0	5.0	ug/l	25.0		104	70-130			
Matrix Spike (W8H1411-MS1)	**Source: 8H22006-01**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	25.0	5.0	ug/l	25.0	*ND*	100	41-149			
Matrix Spike (W8H1411-MS2)	**Source: 8H22006-02**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	20.1	5.0	ug/l	25.0	*ND*	80	41-149			
Matrix Spike Dup (W8H1411-MSD1)	**Source: 8H22006-01**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	18.3	5.0	ug/l	25.0	*ND*	73	41-149	31	30	MS-05
Matrix Spike Dup (W8H1411-MSD2)	**Source: 8H22006-02**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	21.3	5.0	ug/l	25.0	*ND*	85	41-149	6	30	

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Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz										
Blank (W8H1508-BLK1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2,3-Dibromopropionic acid		*9.28*	*ug/l*	*10.0*		*93*	*70-130*			
LCS (W8H1508-BS1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	9.47	1.0	ug/l	10.0		95	70-130			
Dichloroacetic acid (dcaa)	12.4	1.0	ug/l	10.0		124	70-130			
Monobromoacetic acid (mbaa)	10.5	1.0	ug/l	10.0		105	70-130			
Monochloroacetic acid (mcaa)	9.69	2.0	ug/l	10.0		97	70-130			
Trichloroacetic acid (tcaa)	9.97	1.0	ug/l	10.0		100	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*10.2*	*ug/l*	*10.0*		*102*	*70-130*			
MRL Check (W8H1508-MRL1)				**Prepared: 08/27/18**	**Analyzed: 08/24/18**					
Dibromoacetic acid (dbaa)	8.93	1.0	ug/l	10.0		89	70-130			
Dichloroacetic acid (dcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Monobromoacetic acid (mbaa)	9.94	1.0	ug/l	10.0		99	70-130			
Monochloroacetic acid (mcaa)	9.27	2.0	ug/l	10.0		93	70-130			
Trichloroacetic acid (tcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*9.69*	*ug/l*	*10.0*		*97*	*70-130*			
MRL Check (W8H1508-MRL2)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL3)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz (Continued)										
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*0.00*		*ug/l*	*10.0*			*70-130*			
Matrix Spike (W8H1508-MS1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.8	1.0	ug/l	10.0	*2.27*	96	70-130			
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	127	70-130			
Monobromoacetic acid (mbaa)	9.93	1.0	ug/l	10.0	*ND*	99	70-130			
Monochloroacetic acid (mcaa)	10.6	2.0	ug/l	10.0	*ND*	106	70-130			
Trichloroacetic acid (tcaa)	10.8	1.0	ug/l	10.0	*0.920*	99	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.8*		*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike (W8H1508-MS2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.9	1.0	ug/l	10.0	*2.68*	92	70-130			
Dichloroacetic acid (dcaa)	14.2	1.0	ug/l	10.0	*1.87*	124	70-130			
Monobromoacetic acid (mbaa)	9.75	1.0	ug/l	10.0	*ND*	98	70-130			
Monochloroacetic acid (mcaa)	10.4	2.0	ug/l	10.0	*ND*	104	70-130			
Trichloroacetic acid (tcaa)	11.2	1.0	ug/l	10.0	*1.02*	101	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.6	1.0	ug/l	10.0	*2.27*	93	70-130	2	30	
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	126	70-130	0.5	30	
Monobromoacetic acid (mbaa)	9.88	1.0	ug/l	10.0	*ND*	99	70-130	0.5	30	
Monochloroacetic acid (mcaa)	10.5	2.0	ug/l	10.0	*ND*	105	70-130	1	30	
Trichloroacetic acid (tcaa)	11.0	1.0	ug/l	10.0	*0.920*	101	70-130	2	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	12.9	1.0	ug/l	10.0	*2.68*	103	70-130	8	30	
Dichloroacetic acid (dcaa)	15.5	1.0	ug/l	10.0	*1.87*	136	70-130	8	30	MS-05
Monobromoacetic acid (mbaa)	10.7	1.0	ug/l	10.0	*ND*	107	70-130	9	30	
Monochloroacetic acid (mcaa)	11.1	2.0	ug/l	10.0	*ND*	111	70-130	7	30	
Trichloroacetic acid (tcaa)	12.1	1.0	ug/l	10.0	*1.02*	111	70-130	8	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*11.5*		*ug/l*	*10.0*		*115*	*70-130*			

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Quality Control Results

(Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1396 - EPA 3535/SPE										
Blank (W8H1396-BLK1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W8H1396-BS1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	2.92	2.0	ng/l	3.00		97	50-150			
LCS Dup (W8H1396-BSD1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	2.90	2.0	ng/l	3.00		97	50-150	0.6	50	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE										
Blank (W8H1513-BLK1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	ND		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.03*	*ug/l*	*5.00*		*101*	*70-130*			
Perylene-d12		*3.89*	*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate		*4.22*	*ug/l*	*5.00*		*84*	*70-130*			
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.62	0.10	ug/l	5.00		112	70-130			
Atrazine	5.73	0.10	ug/l	5.00		115	70-130			
Benzo (a) pyrene	4.47	0.10	ug/l	5.00		89	60-130			
Bis(2-ethylhexyl)adipate	5.39	2.0	ug/l	5.00		108	70-130			
Bis(2-ethylhexyl)phthalate	5.54	2.0	ug/l	5.00		111	70-130			
Bromacil	5.01	0.50	ug/l	5.00		100	70-130			
Butachlor	5.19	0.10	ug/l	5.00		104	70-130			
Captan	4.07	1.0	ug/l	5.00		81	70-130			
Chlorpropham	5.58	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.73	0.10	ug/l	5.00		115	70-130			
Diazinon	4.40	0.10	ug/l	5.00		88	50-120			
Dimethoate	3.73	0.20	ug/l	5.00		75	50-120			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Diphenamid	5.66	0.10	ug/l	5.00		113	70-130			
Disulfoton	4.31	0.10	ug/l	5.00		86	50-120			
EPTC	5.20	0.10	ug/l	5.00		104	70-130			
Metolachlor	5.43	0.10	ug/l	5.00		109	60-130			
Metribuzin	5.18	0.10	ug/l	5.00		104	50-120			
Molinate	5.14	0.10	ug/l	5.00		103	70-130			
Naphthalene	4.51		ug/l	5.00		90	70-130			
Prometon	2.04	0.10	ug/l	5.00		41	15-120			
Prometryn	4.39	0.10	ug/l	5.00		88	30-120			
Simazine	4.74	0.10	ug/l	5.00		95	60-130			
Terbacil	5.25	2.0	ug/l	5.00		105	70-130			
Thiobencarb	5.15	0.10	ug/l	5.00		103	70-130			
Trithion	5.34	0.10	ug/l	5.00		107	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.75*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.74*		*ug/l*	*5.00*		*95*	*50-120*			
Triphenyl phosphate	*5.44*		*ug/l*	*5.00*		*109*	*70-130*			
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.74	0.10	ug/l	5.00		115	70-130	2	30	
Atrazine	5.61	0.10	ug/l	5.00		112	70-130	2	30	
Benzo (a) pyrene	4.49	0.10	ug/l	5.00		90	60-130	0.3	30	
Bis(2-ethylhexyl)adipate	5.40	2.0	ug/l	5.00		108	70-130	0.3	30	
Bis(2-ethylhexyl)phthalate	5.63	2.0	ug/l	5.00		113	70-130	2	30	
Bromacil	5.20	0.50	ug/l	5.00		104	70-130	4	30	
Butachlor	5.35	0.10	ug/l	5.00		107	70-130	3	30	
Captan	4.08	1.0	ug/l	5.00		82	70-130	0.4	30	
Chlorpropham	5.74	0.10	ug/l	5.00		115	70-130	3	30	
Cyanazine	6.06	0.10	ug/l	5.00		121	70-130	6	30	
Diazinon	4.15	0.10	ug/l	5.00		83	50-120	6	30	
Dimethoate	4.17	0.20	ug/l	5.00		83	50-120	11	30	
Diphenamid	5.62	0.10	ug/l	5.00		112	70-130	0.7	30	
Disulfoton	4.34	0.10	ug/l	5.00		87	50-120	0.5	30	
EPTC	5.44	0.10	ug/l	5.00		109	70-130	4	30	
Metolachlor	5.47	0.10	ug/l	5.00		109	60-130	0.8	30	
Metribuzin	5.65	0.10	ug/l	5.00		113	50-120	9	30	
Molinate	5.26	0.10	ug/l	5.00		105	70-130	2	30	
Naphthalene	4.92		ug/l	5.00		98	70-130	9	30	
Prometon	1.90	0.10	ug/l	5.00		38	15-120	7	30	
Prometryn	4.58	0.10	ug/l	5.00		92	30-120	4	30	
Simazine	4.78	0.10	ug/l	5.00		96	60-130	0.8	30	
Terbacil	5.97	2.0	ug/l	5.00		119	70-130	13	30	
Thiobencarb	5.32	0.10	ug/l	5.00		106	70-130	3	30	
Trithion	5.26	0.10	ug/l	5.00		105	70-130	2	30	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18**	**Analyzed: 09/05/18**					
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.18*	*ug/l*	*5.00*		*104*	*70-130*			
Perylene-d12		*4.82*	*ug/l*	*5.00*		*96*	*50-120*			
Triphenyl phosphate		*5.39*	*ug/l*	*5.00*		*108*	*70-130*			

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Notes and Definitions

Item	Definition
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

Reviewed by:

DRAFT REPORT
DATA SUBJECT TO CHANGE

This is a preliminary report and is produced for review and guidance purpose only and should not be considered final. Information in this report may be missing or may be changed. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories DOES NOT certify that the test results meet all requirements of TNI. Neither Weck Laboratories, Inc. nor any of its employees, contractors, subcontractors, or their employees make any warrant, expressed or implied, or assume any legal liability or responsibility for use of any information inscribed in this report.

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8H27092

Project: 405734

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/14/2018
Received Date: 8/27/2018
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1024549
Billing Code:

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-CA #04229CA ● 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 Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/27/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-11 (405734-001)	Client	8H27092-01	Water	08/21/18 11:30	
MCWP-MW04S (405734-002)	Client	8H27092-02	Water	08/21/18 12:00	
MCWP-MW07S (405734-003)	Client	8H27092-03	Water	08/21/18 09:25	
MCWP-MW07D (405734-004)	Client	8H27092-04	Water	08/21/18 11:00	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Sample Results

Sample: SMBRP-11 (405734-001)
8H27092-01 (Water)

Sampled: 08/21/18 11:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8H1764 **Instr:** LC13			**Prepared:** 08/29/18 14:28			**Analyst:** blg	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/31/18 21:18	
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**7200**	1.3	5.0	ug/l	1	09/04/18 15:57	
Antimony, Total	**0.29**	0.045	0.50	ug/l	1	09/04/18 15:57	J
Barium, Total	**91**	0.071	0.50	ug/l	1	09/04/18 15:57	
Beryllium, Total	**0.34**	0.033	0.10	ug/l	1	09/04/18 15:57	
Cadmium, Total	**0.61**	0.041	0.10	ug/l	1	09/04/18 15:57	
Chromium, Total	**22**	0.035	0.20	ug/l	1	09/04/18 15:57	
Copper, Total	**12**	0.13	0.50	ug/l	1	09/04/18 15:57	
Lead, Total	**3.1**	0.031	0.20	ug/l	1	09/04/18 15:57	
Nickel, Total	**32**	0.045	0.80	ug/l	1	09/04/18 15:57	
Silver, Total	ND	0.062	0.20	ug/l	1	09/04/18 15:57	
Thallium, Total	**0.086**	0.014	0.20	ug/l	1	09/04/18 15:57	J
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:37	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Sample Results

(Continued)

Sample: MCWP-MW04S (405734-002)
8H27092-02 (Water)

Sampled: 08/21/18 12:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8H1764 **Instr:** LC13			**Prepared:** 08/29/18 14:28			**Analyst:** blg	
Chromium 6+	ND	0.0096	0.040	ug/l	2	08/31/18 21:30	M-05
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**3500**	1.3	5.0	ug/l	1	09/04/18 16:02	
Antimony, Total	**1.3**	0.045	0.50	ug/l	1	09/04/18 16:02	
Barium, Total	**48**	0.071	0.50	ug/l	1	09/04/18 16:02	
Beryllium, Total	**0.11**	0.033	0.10	ug/l	1	09/04/18 16:02	
Cadmium, Total	**0.77**	0.041	0.10	ug/l	1	09/04/18 16:02	
Chromium, Total	**13**	0.035	0.20	ug/l	1	09/04/18 16:02	
Copper, Total	**13**	0.13	0.50	ug/l	1	09/04/18 16:02	
Lead, Total	**3.3**	0.031	0.20	ug/l	1	09/04/18 16:02	
Nickel, Total	**19**	0.045	0.80	ug/l	1	09/04/18 16:02	
Silver, Total	**0.062**	0.062	0.20	ug/l	1	09/04/18 16:02	J
Thallium, Total	**0.080**	0.014	0.20	ug/l	1	09/04/18 16:02	J
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:39	

Sample: MCWP-MW07S (405734-003)
8H27092-03 (Water)

Sampled: 08/21/18 9:25 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**6400**	1.3	5.0	ug/l	1	09/04/18 16:06	
Antimony, Total	**0.20**	0.045	0.50	ug/l	1	09/04/18 16:06	J
Barium, Total	**110**	0.071	0.50	ug/l	1	09/04/18 16:06	
Beryllium, Total	**0.25**	0.033	0.10	ug/l	1	09/04/18 16:06	
Cadmium, Total	**0.11**	0.041	0.10	ug/l	1	09/04/18 16:06	
Chromium, Total	**25**	0.035	0.20	ug/l	1	09/04/18 16:06	
Copper, Total	**7.2**	0.13	0.50	ug/l	1	09/04/18 16:06	
Lead, Total	**3.0**	0.031	0.20	ug/l	1	09/04/18 16:06	
Nickel, Total	**20**	0.045	0.80	ug/l	1	09/04/18 16:06	
Silver, Total	ND	0.062	0.20	ug/l	1	09/04/18 16:06	
Thallium, Total	**0.052**	0.014	0.20	ug/l	1	09/04/18 16:06	J
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:41	

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931 West Barkley Avenue
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Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Sample Results

(Continued)

Sample: MCWP-MW07S (405734-003) — Sampled: 08/21/18 9:25 by Client

8H27092-03RE1 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0321 **Instr:** LC13			**Prepared:** 09/04/18 08:09			**Analyst:** blg	
Chromium 6+	**0.36**	0.096	0.40	ug/l	20	09/04/18 08:45	M-05, J

Sample: MCWP-MW07D (405734-004) — Sampled: 08/21/18 11:00 by Client

8H27092-04 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8H1764 **Instr:** LC13			**Prepared:** 08/29/18 14:28			**Analyst:** blg	
Chromium 6+	ND	0.0048	0.020	ug/l	1	08/31/18 22:41	
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**230**	1.3	5.0	ug/l	1	09/04/18 16:10	
Antimony, Total	**0.14**	0.045	0.50	ug/l	1	09/04/18 16:10	J
Barium, Total	**52**	0.071	0.50	ug/l	1	09/04/18 16:10	
Beryllium, Total	ND	0.033	0.10	ug/l	1	09/04/18 16:10	
Cadmium, Total	**0.41**	0.041	0.10	ug/l	1	09/04/18 16:10	
Chromium, Total	**1.3**	0.035	0.20	ug/l	1	09/04/18 16:10	
Copper, Total	**3.2**	0.13	0.50	ug/l	1	09/04/18 16:10	
Lead, Total	**0.10**	0.031	0.20	ug/l	1	09/04/18 16:10	J
Nickel, Total	**3.8**	0.045	0.80	ug/l	1	09/04/18 16:10	
Silver, Total	**0.11**	0.062	0.20	ug/l	1	09/04/18 16:10	J
Thallium, Total	ND	0.014	0.20	ug/l	1	09/04/18 16:10	
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:43	

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Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1764 - EPA 218.6											
Blank (W8H1764-BLK1)					**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W8H1764-BS1)					**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	5.04	0.0048	0.020	ug/l	5.00		101	90-110			
Matrix Spike (W8H1764-MS1)				**Source: 8H02030-01**	**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	4.97	0.0048	0.020	ug/l	5.00	0.129	97	88-112			
Matrix Spike (W8H1764-MS2)				**Source: 8H13040-01RE1**	**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	8.38	0.0048	0.020	ug/l	5.00	3.49	98	88-112			
Matrix Spike Dup (W8H1764-MSD1)				**Source: 8H02030-01**	**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	5.27	0.0048	0.020	ug/l	5.00	0.129	103	88-112	6	10	
Matrix Spike Dup (W8H1764-MSD2)				**Source: 8H13040-01RE1**	**Prepared: 08/29/18 Analyzed: 08/31/18**						
Chromium 6+	8.25	0.0048	0.020	ug/l	5.00	3.49	95	88-112	1	10	
Batch: W8I0321 - EPA 218.6											
Blank (W8I0321-BLK1)					**Prepared & Analyzed: 09/04/18**						
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W8I0321-BS1)					**Prepared & Analyzed: 09/04/18**						
Chromium 6+	5.04	0.0048	0.020	ug/l	5.00		101	90-110			
LCS Dup (W8I0321-BSD1)					**Prepared & Analyzed: 09/04/18**						
Chromium 6+	5.12	0.0048	0.020	ug/l	5.00		102	90-110	2	10	

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Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8											
Blank (W8H1624-BLK1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	ND	1.3	5.0	ug/l							
Antimony, Total	0.0493	0.045	0.50	ug/l							B-07, J
Barium, Total	ND	0.071	0.50	ug/l							
Beryllium, Total	ND	0.033	0.10	ug/l							
Cadmium, Total	ND	0.041	0.10	ug/l							
Chromium, Total	ND	0.035	0.20	ug/l							
Copper, Total	ND	0.13	0.50	ug/l							
Lead, Total	ND	0.031	0.20	ug/l							
Nickel, Total	ND	0.045	0.80	ug/l							
Silver, Total	ND	0.062	0.20	ug/l							
Thallium, Total	ND	0.014	0.20	ug/l							
LCS (W8H1624-BS1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	51.7	1.3	5.0	ug/l	50.0		103	85-115			
Antimony, Total	49.0	0.045	0.50	ug/l	50.0		98	85-115			
Barium, Total	50.1	0.071	0.50	ug/l	50.0		100	85-115			
Beryllium, Total	50.1	0.033	0.10	ug/l	50.0		100	85-115			
Cadmium, Total	49.7	0.041	0.10	ug/l	50.0		99	85-115			
Chromium, Total	49.9	0.035	0.20	ug/l	50.0		100	85-115			
Copper, Total	50.8	0.13	0.50	ug/l	50.0		102	85-115			
Lead, Total	50.6	0.031	0.20	ug/l	50.0		101	85-115			
Nickel, Total	51.0	0.045	0.80	ug/l	50.0		102	85-115			
Silver, Total	50.0	0.062	0.20	ug/l	50.0		100	85-115			
Thallium, Total	50.8	0.014	0.20	ug/l	50.0		102	85-115			
Matrix Spike (W8H1624-MS1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7690	1.3	5.0	ug/l	50.0	7240	915	70-130			MS-02
Antimony, Total	32.2	0.045	0.50	ug/l	50.0	0.290	64	70-130			MS-01
Barium, Total	144	0.071	0.50	ug/l	50.0	91.4	106	70-130			
Beryllium, Total	50.7	0.033	0.10	ug/l	50.0	0.344	101	70-130			
Cadmium, Total	48.1	0.041	0.10	ug/l	50.0	0.613	95	70-130			
Chromium, Total	71.5	0.035	0.20	ug/l	50.0	21.8	99	70-130			
Copper, Total	56.3	0.13	0.50	ug/l	50.0	11.7	89	70-130			
Lead, Total	51.4	0.031	0.20	ug/l	50.0	3.11	97	70-130			
Nickel, Total	77.4	0.045	0.80	ug/l	50.0	32.5	90	70-130			
Silver, Total	45.5	0.062	0.20	ug/l	50.0	ND	91	70-130			
Thallium, Total	49.5	0.014	0.20	ug/l	50.0	0.0863	99	70-130			
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7970	1.3	5.0	ug/l	50.0	7240	NR	70-130	3	30	MS-02
Antimony, Total	33.4	0.045	0.50	ug/l	50.0	0.290	66	70-130	4	30	MS-01
Barium, Total	147	0.071	0.50	ug/l	50.0	91.4	111	70-130	2	30	

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Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8 (Continued)											
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Beryllium, Total	50.8	0.033	0.10	ug/l	50.0	0.344	101	70-130	0.2	30	
Cadmium, Total	48.7	0.041	0.10	ug/l	50.0	0.613	96	70-130	1	30	
Chromium, Total	72.3	0.035	0.20	ug/l	50.0	21.8	101	70-130	1	30	
Copper, Total	62.5	0.13	0.50	ug/l	50.0	11.7	101	70-130	10	30	
Lead, Total	52.0	0.031	0.20	ug/l	50.0	3.11	98	70-130	1	30	
Nickel, Total	78.2	0.045	0.80	ug/l	50.0	32.5	92	70-130	1	30	
Silver, Total	45.2	0.062	0.20	ug/l	50.0	ND	90	70-130	0.8	30	
Thallium, Total	50.0	0.014	0.20	ug/l	50.0	0.0863	100	70-130	1	30	
Batch: W8H1727 - EPA 245.1											
Blank (W8H1727-BLK1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	ND	0.017	0.050	ug/l							
LCS (W8H1727-BS1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.999	0.017	0.050	ug/l	1.00		100	85-115			
Matrix Spike (W8H1727-MS1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.958	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike (W8H1727-MS2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.960	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike Dup (W8H1727-MSD1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.953	0.017	0.050	ug/l	1.00	ND	95	70-130	0.5	20	
Matrix Spike Dup (W8H1727-MSD2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	1.03	0.017	0.050	ug/l	1.00	ND	103	70-130	7	20	

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Project Number: 405734

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:38

Notes and Definitions

Item	Definition
B-07	This analyte was found in the method blank at levels above the MDL but below the reporting limit.
J	Estimated conc. detected <MRL and >MDL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 17, 2018

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: 405734
Pace Project No.: 30263299

Dear Ranjit Clarke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Hongling Cao, Enthalpy Analytical
Ms. Cam Pham, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical

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CERTIFICATIONS

Project: 405734
Pace Project No.: 30263299

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: 405734
Pace Project No.: 30263299

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30263299001	**405734-001**	Water	08/21/18 11:30	08/24/18 10:00
30263299002	**405734-002**	Water	08/21/18 12:00	08/24/18 10:00
30263299003	**405734-003**	Water	08/21/18 09:25	08/24/18 10:00
30263299004	**405734-004**	Water	08/21/18 11:00	08/24/18 10:00

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SAMPLE ANALYTE COUNT

Project: 405734
Pace Project No.: 30263299

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30263299001	**405734-001**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263299002	**405734-002**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263299003	**405734-003**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263299004	**405734-004**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

Sample: 405734-001 **Lab ID: 30263299001** Collected: 08/21/18 11:30 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**7.69 ± 3.60 (4.69) C:NA T:NA**	pCi/L	09/06/18 19:16	12587-46-1	
Gross Beta	EPA 900.0	**8.54 ± 3.53 (5.46) C:NA T:NA**	pCi/L	09/06/18 19:16	12587-47-2	
Radium-226	EPA 903.1	**0.560 ± 0.517 (0.753) C:NA T:73%**	pCi/L	09/06/18 21:28	13982-63-3	
Radium-228	EPA 904.0	**4.03 ± 1.15 (1.43) C:65% T:68%**	pCi/L	09/05/18 12:02	15262-20-1	
Strontium-90	ASTM D5811-95	**0.173 ± 0.379 (0.706) C:92% T:NA**	pCi/L	09/04/18 19:39	10098-97-2	N2
Tritium	EPA 906.0	**14.5 ± 135 (239) C:NA T:NA**	pCi/L	09/02/18 03:26	10028-17-8	
Total Uranium	ASTM D5174-97	**3.54 ± 0.109 (0.262) C:NA T:NA**	ug/L	09/17/18 18:33	7440-61-1	

Sample: 405734-002 **Lab ID: 30263299002** Collected: 08/21/18 12:00 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**75.2 ± 24.4 (23.2) C:NA T:NA**	pCi/L	09/06/18 19:16	12587-46-1	
Gross Beta	EPA 900.0	**22.8 ± 17.8 (31.7) C:NA T:NA**	pCi/L	09/06/18 19:16	12587-47-2	
Radium-226	EPA 903.1	**0.474 ± 0.371 (0.436) C:NA T:85%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**0.582 ± 0.457 (0.911) C:72% T:83%**	pCi/L	09/05/18 12:02	15262-20-1	
Strontium-90	ASTM D5811-95	**0.760 ± 0.837 (1.52) C:88% T:NA**	pCi/L	09/04/18 18:05	10098-97-2	N2
Tritium	EPA 906.0	**-17.5 ± 134 (239) C:NA T:NA**	pCi/L	09/02/18 04:27	10028-17-8	
Total Uranium	ASTM D5174-97	**125 ± 3.674 (5.240) C:NA T:NA**	ug/L	09/17/18 18:54	7440-61-1	

Sample: 405734-003 **Lab ID: 30263299003** Collected: 08/21/18 09:25 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**22.3 ± 6.33 (4.96) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-46-1	
Gross Beta	EPA 900.0	**12.7 ± 3.81 (4.63) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-47-2	
Radium-226	EPA 903.1	**0.484 ± 0.379 (0.445) C:NA T:84%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**2.22 ± 1.35 (2.53) C:73% T:29%**	pCi/L	09/05/18 12:03	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.0340 ± 0.630 (1.20) C:93% T:NA**	pCi/L	09/04/18 18:05	10098-97-2	N2
Tritium	EPA 906.0	**58.0 ± 141 (242) C:NA T:NA**	pCi/L	09/08/18 10:17	10028-17-8	
Total Uranium	ASTM D5174-97	**6.63 ± 0.202 (0.262) C:NA T:NA**	ug/L	09/17/18 18:39	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

Sample: 405734-004 **Lab ID: 30263299004** Collected: 08/21/18 11:00 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**20.6 ± 10.5 (16.7) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-46-1	
Gross Beta	EPA 900.0	**8.25 ± 4.39 (7.24) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-47-2	
Radium-226	EPA 903.1	**0.565 ± 0.413 (0.462) C:NA T:88%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**0.395 ± 0.468 (0.988) C:75% T:71%**	pCi/L	09/05/18 12:04	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.252 ± 0.435 (0.847) C:88% T:NA**	pCi/L	09/04/18 18:05	10098-97-2	N2
Tritium	EPA 906.0	**-72.6 ± 132 (242) C:NA T:NA**	pCi/L	09/08/18 11:18	10028-17-8	
Total Uranium	ASTM D5174-97	**27.4 ± 0.824 (1.048) C:NA T:NA**	ug/L	09/17/18 18:57	7440-61-1	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311289 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

METHOD BLANK: 1520263 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.0440 ± 0.170 (0.321) C:100% T:NA	pCi/L	09/04/18 18:04	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311628 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

METHOD BLANK: 1521862 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.174 ± 0.383 (0.760) C:NA T:NA	pCi/L	09/06/18 18:34	
Gross Beta	0.349 ± 0.535 (1.03) C:NA T:NA	pCi/L	09/06/18 18:34	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311138 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

METHOD BLANK: 1519688 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.322 ± 0.400 (0.848) C:72% T:78%	pCi/L	09/05/18 12:01	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311433 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30263299001, 30263299002

METHOD BLANK: 1520914 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	102 ± 143 (240) C:NA T:NA	pCi/L	09/01/18 08:02	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311373 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

METHOD BLANK: 1520578 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.132 ± 0.005 (0.262) C:NA T:NA	ug/L	09/06/18 14:33	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311136 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

METHOD BLANK: 1519686 Matrix: Water
Associated Lab Samples: 30263299001, 30263299002, 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.362 ± 0.337 (0.444) C:NA T:88%	pCi/L	09/06/18 21:00	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405734
Pace Project No.: 30263299

QC Batch: 311887 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30263299003, 30263299004

METHOD BLANK: 1523088 Matrix: Water
Associated Lab Samples: 30263299003, 30263299004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-43.6 ± 134 (242) C:NA T:NA	pCi/L	09/08/18 08:14	

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QUALIFIERS

Project: 405734
Pace Project No.: 30263299

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1024411

Project: 405734 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/21/18 11:30	SMBRP-11 (405734-001)	900.0 Gross Alpha and Beta	001
Water	08/21/18 11:30	SMBRP-11 (405734-001)	903.1 Radiuum-226	
Water	08/21/18 11:30	SMBRP-11 (405734-001)	904.0 Radium-228	
Water	08/21/18 11:30	SMBRP-11 (405734-001)	905.0 Strontium-90	
Water	08/21/18 11:30	SMBRP-11 (405734-001)	906.0 Tritium	
Water	08/21/18 11:30	SMBRP-11 (405734-001)	908.0 Uranium	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	900.0 Gross Alpha and Beta	002
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	903.1 Radiuum-226	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	904.0 Radium-228	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	905.0 Strontium-90	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	906.0 Tritium	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	908.0 Uranium	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	900.0 Gross Alpha and Beta	003
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	903.1 Radiuum-226	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	904.0 Radium-228	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	905.0 Strontium-90	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	906.0 Tritium	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	908.0 Uranium	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	900.0 Gross Alpha and Beta	004
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	903.1 Radiuum-226	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	904.0 Radium-228	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	905.0 Strontium-90	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	906.0 Tritium	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
	Emily Kyse
Date/Time 8/23/18 14:30	Date/Time 8-24-18 1000
Date/Time	Date/Time

WO# : 30263299

30263299

405734-04 08/22/18 11:52 RC

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: Enthalpy Analytical Project # 30263299

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label ET

Tracking #: 773052584020

LIMS Login 1111

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used N/A Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C

Temp should be above freezing to 6°C

pH paper Lot# 10034671 Date and Initials of person examining contents: ET 8-24-18

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓	✓		10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation.	✓			16. added 2.5m 5.0mL of HNO3 to all samples ET8-2448
All containers needing preservation are found to be in compliance with EPA recommendation.		✓		
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed ET Date/time of preservation 8-24-18 14:55
				Lot # of added preservative HL18-0898
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present		✓		
Rad Aqueous Samples Screened > 0.5 mrem/hr		✓		Initial when completed: ET Date: 8-24-18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

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WORK ORDER NUMBER: 18-08-1809

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Enthalpy Analytical, Inc.

Client Project Name: 405734

Attention: Ranjit Clarke
931 W. Barkley Avenue
Orange, CA 92868-1208

Sheila Lau for

Approved for release on 09/04/2018 by:
Xuan Dang
Project Manager

ResultLink

Email your PM

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Client Project Name: 405734
Work Order Number: 18-08-1809

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3 Detections Summary. 5

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4.1 SM 5210 B Biochemical Oxygen Demand (Aqueous). 6

5 Quality Control Sample Data. 7
5.1 Sample Duplicate. 7

6 Glossary of Terms and Qualifiers. 8

7 Chain-of-Custody/Sample Receipt Form. 9

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Work Order Narrative

Work Order: 18-08-1809 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/21/18. They were assigned to Work Order 18-08-1809.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Enthalpy Analytical, Inc. 931 W. Barkley Avenue Orange, CA 92868-1208	Work Order:	18-08-1809
		Project Name:	405734
		PO Number:	
		Date/Time Received:	08/21/18 18:43
		Number of Containers:	4
Attn:	Ranjit Clarke		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SMBRP-11 (405734-001)	18-08-1809-1	08/21/18 11:30	1	Aqueous
MCWP-MW04S (405734-002)	18-08-1809-2	08/21/18 12:00	1	Aqueous
MCWP-MW07S (405734-003)	18-08-1809-3	08/21/18 09:25	1	Aqueous
MCWP-MW07D (405734-004)	18-08-1809-4	08/21/18 11:00	1	Aqueous

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Detections Summary

Client:	Enthalpy Analytical, Inc.	Work Order:	18-08-1809
	931 W. Barkley Avenue	Project Name:	405734
	Orange, CA 92868-1208	Received:	08/21/18
Attn:	Ranjit Clarke		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SMBRP-11 (405734-001) (18-08-1809-1)						
Biochemical Oxygen Demand	13		1.0	mg/L	SM 5210 B	N/A
MCWP-MW04S (405734-002) (18-08-1809-2)						
Biochemical Oxygen Demand	5.8		1.0	mg/L	SM 5210 B	N/A
MCWP-MW07S (405734-003) (18-08-1809-3)						
Biochemical Oxygen Demand	5.1		1.0	mg/L	SM 5210 B	N/A
MCWP-MW07D (405734-004) (18-08-1809-4)						
Biochemical Oxygen Demand	1.2		1.0	mg/L	SM 5210 B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405734

Date Received: 08/21/18
Work Order: 18-08-1809
Preparation: N/A
Method: SM 5210 B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-11 (405734-001)	**18-08-1809-1-A**	**08/21/18 11:30**	**Aqueous**	**BOD 1**	**08/22/18**	**08/27/18 20:00**	**I0822BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	13	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW04S (405734-002)	**18-08-1809-2-A**	**08/21/18 12:00**	**Aqueous**	**BOD 1**	**08/22/18**	**08/27/18 20:00**	**I0822BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	5.8	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW07S (405734-003)	**18-08-1809-3-A**	**08/21/18 09:25**	**Aqueous**	**BOD 1**	**08/22/18**	**08/27/18 20:00**	**I0822BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	5.1	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW07D (405734-004)	**18-08-1809-4-A**	**08/21/18 11:00**	**Aqueous**	**BOD 1**	**08/22/18**	**08/27/18 20:00**	**I0822BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	1.2	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-054-5413**	**N/A**	**Aqueous**	**BOD 1**	**08/22/18**	**08/27/18 20:00**	**I0822BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	ND	1.0	0.58	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Enthalpy Analytical, Inc.		Date Received:	08/21/18
931 W. Barkley Avenue		Work Order:	18-08-1809
Orange, CA 92868-1208		Preparation:	N/A
		Method:	SM 5210 B
Project: 405734			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
18-08-1715-1	**Sample**	**Aqueous**	**BOD 1**	**08/22/18 00:00**	**08/27/18 20:00**	**I0822BODD1**
18-08-1715-1	**Sample Duplicate**	**Aqueous**	**BOD 1**	**08/22/18 00:00**	**08/27/18 20:00**	**I0822BODD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Biochemical Oxygen Demand	2800	2800	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 18-08-1809 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Formerly Associated Labs
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Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1024366

Project: 405734 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

18-08-1809

	Matrix	Sampled	Sample ID	Analysis	Comment
1	Water	08/21/18 11:30	SMBRP-11 (405734-001)	5210B BOD_OUT	
2	Water	08/21/18 12:00	MCWP-MW04S (405734-002)	5210B BOD_OUT	
3	Water	08/21/18 09:25	MCWP-MW07S (405734-003)	5210B BOD_OUT	
4	Water	08/21/18 11:00	MCWP-MW07D (405734-004)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	**Received By:**
Date/Time 08/21/18 18:43	Date/Time 8/21/18 18:43
Date/Time	Date/Time

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WORK ORDER NUMBER: 18-08-1809

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 08/21/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 4.0 °C (w/ CF): 3.5 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 657

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 657

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 657

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☑ 1KT ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: JLG

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: DH

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WORK ORDER NUMBER: 18-08-1899

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Enthalpy Analytical, Inc.

Client Project Name: 405734

Attention: Ranjit Clarke
931 W. Barkley Avenue
Orange, CA 92868-1208

Sheila Lau for

Approved for release on 08/29/2018 by:
Xuan Dang
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 18-08-1899

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Work Order Narrative

Work Order: 18-08-1899 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/22/18. They were assigned to Work Order 18-08-1899.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Enthalpy Analytical, Inc. 931 W. Barkley Avenue Orange, CA 92868-1208	Work Order:	18-08-1899
		Project Name:	405734
		PO Number:	1024413
		Date/Time Received:	08/22/18 13:58
		Number of Containers:	4
Attn:	Ranjit Clarke		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SMBRP-11 (405734-001)	18-08-1899-1	08/21/18 11:30	1	Aqueous
MCWP-MW04S (405734-002)	18-08-1899-2	08/21/18 12:00	1	Aqueous
MCWP-MW07S (405734-003)	18-08-1899-3	08/21/18 09:25	1	Aqueous
MCWP-MW07D (405734-004)	18-08-1899-4	08/21/18 11:00	1	Aqueous

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Detections Summary

Client:	Enthalpy Analytical, Inc.	Work Order:	18-08-1899
	931 W. Barkley Avenue	Project Name:	405734
	Orange, CA 92868-1208	Received:	08/22/18
Attn:	Ranjit Clarke		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SMBRP-11 (405734-001) (18-08-1899-1)						
HEM: Oil and Grease	1.2		1.0	mg/L	EPA 1664A	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405734

Date Received: 08/22/18
Work Order: 18-08-1899
Preparation: N/A
Method: EPA 1664A
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-11 (405734-001)	**18-08-1899-1-A**	**08/21/18 11:30**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	1.2	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW04S (405734-002)	**18-08-1899-2-A**	**08/21/18 12:00**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW07S (405734-003)	**18-08-1899-3-A**	**08/21/18 09:25**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW07D (405734-004)	**18-08-1899-4-A**	**08/21/18 11:00**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-923-460**	**N/A**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - LCS/LCSD

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405734

Date Received: 08/22/18
Work Order: 18-08-1899
Preparation: N/A
Method: EPA 1664A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-16-923-460	**LCS**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**
099-16-923-460	**LCSD**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	36.90	92	35.90	90	78-114	3	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 18-08-1899 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Formerly Associated Labs
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Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Project: 405734 **Due:** 18-08-1899
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1024413

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/21/18 11:30	SMBRP-11 (405734-001)	1664_OUT	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	1664_OUT	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	1664_OUT	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	1664_OUT	

Note:
Standard TAT

Relinquished By	Received By:
	EC
Date/Time 8/22/18 1358	Date/Time 8-22-18-13:58
Date/Time	Date/Time

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WORK ORDER NUMBER: 18-08-1899

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 08/22/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 5.0 °C (w/ CF): 4.5 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 1053

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☑	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☑ 1CGJ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: BM

Reviewed by: BM

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WORK ORDER NUMBER: 18-08-1899

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 08/23/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 4.8 °C (w/ CF): 4.3 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: SR

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SR

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☑ 1CGJs (O&G) ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1053

Reviewed by: SR

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WORK ORDER NUMBER: 18-08- 1899

SAMPLE ANOMALY REPORT

DATE: 08 / 22 / 2018

SAMPLES, CONTAINERS, AND LABELS:

	Comments
☐ Sample(s) NOT RECEIVED but listed on COC	
☐ Sample(s) received but NOT LISTED on COC	
☐ Holding time expired (list client or ECI sample ID and analysis)	
☐ Insufficient sample amount for requested analysis (list analysis)	
☐ Improper container(s) used (list analysis)	
☐ Improper preservative used (list analysis)	
☐ pH outside acceptable range (list analysis)	(-1) to (-4) for Oil and Grease
☑ No preservative noted on COC or label (list analysis and notify lab)	
☐ Sample container(s) not labeled	
☐ Client sample label(s) illegible (list container type and analysis)	(-1) to (-4) Received Preserved containers for Oil and Grease on 8-23-18
☐ Client sample label(s) do not match COC (comment)	
☐ Project information	
☐ Client sample ID	
☐ Sampling date and/or time	
☐ Number of container(s)	
☐ Requested analysis	
☐ Sample container(s) compromised (comment)	
☐ Broken	
☐ Water present in sample container	
☐ Air sample container(s) compromised (comment)	
☐ Flat	
☐ Very low in volume	
☐ Leaking (not transferred; duplicate bag submitted)	
☐ Leaking (transferred into ECI Tedlar™ bags*)	
☐ Leaking (transferred into client's Tedlar™ bags*)	

* Transferred at client's request.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments:

Reported by: SDL

Reviewed by: 1053

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

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Enthalpy - Orange

Report to: Ranjit Clarke
1 Park Plaza, Ste 1000
Irvine, CA 92614

Client Project # 405734

Analytical Report
0818-726

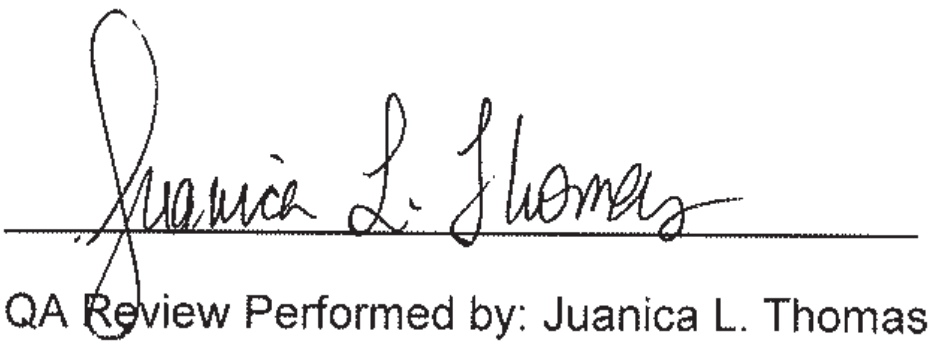
Method 1613B
TCDD only

Enthalpy Analytical, LLC – Ultratrace
Phone: (910) 212-5858 / www.enthalpy.com
2714 Exchange Drive, Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains __17__ pages.



QA Review Performed by: Juanica L. Thomas

Report Issued Date: 09/06/18

ENTHALPY ANALYTICAL

SMBRP-11 (405734-001)						Detailed Results - Method 1613	
Client Details							
Client Sample ID:	SMBRP-11 (405734-001)			**Client Name:**	**EA Orange**		
Client Project ID:	405734			**Sample Collection Date:**	**21-Aug-18**	**RRFs:**	**CS3 AB**
Lab/Sample Details							
Lab Job #:	**0818-726**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-18**		
Lab Sample ID:	**0818-726_10118_001**	**Weight/Volume:**	**1.05**	**Date Extracted:**	**27-Aug-18**		
QC Batch #:	**10118**	**Split Factor:**	**1**	**Date Analyzed:**	**30-Aug-18**		
Dilution:	**-**			**Time Analyzed:**	**12:59:43**		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.239			ES 2,3,7,8-TCDD	79.1	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	93.8	

MCWP-MW04S (405734-002)						Detailed Results - Method 1613	
Client Details							
Client Sample ID:	MCWP-MW04S (405734-002)		**Client Name:**	**EA Orange**			
Client Project ID:	405734		**Sample Collection Date:**	**21-Aug-18**		**RRFs:**	**CS3 AB**
Lab/Sample Details							
Lab Job #:	**0818-726**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-18**		
Lab Sample ID:	**0818-726_10118_002**	**Weight/Volume:**	**1.07**	**Date Extracted:**	**27-Aug-18**		
QC Batch #:	**10118**	**Split Factor:**	**1**	**Date Analyzed:**	**30-Aug-18**		
Dilution:	**-**			**Time Analyzed:**	**13:48:44**		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.321			ES 2,3,7,8-TCDD	83.9	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	95.3	

MCWP-MW07S (405734-003)								Detailed Results - Method 1613
Client Details								
Client Sample ID:	MCWP-MW07S (405734-003)			**Client Name:**	**EA Orange**			
Client Project ID:	405734			**Sample Collection Date:**	**21-Aug-18**		**RRFs:**	**CS3 AB**
Lab/Sample Details								
Lab Job #:	**0818-726**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-18**			
Lab Sample ID:	**0818-726_10118_003**	**Weight/Volume:**	**1.03**	**Date Extracted:**	**27-Aug-18**			
QC Batch #:	**10118**	**Split Factor:**	**1**	**Date Analyzed:**	**30-Aug-18**			
Dilution:	**-**			**Time Analyzed:**	**14:37:57**			

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.313			ES 2,3,7,8-TCDD	90.4	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	113	

ENTHALPY ANALYTICAL

MCWP-MW07D (405734-004) — Detailed Results - Method 1613

Client Details

Client Sample ID:	MCWP-MW07D (405734-004)	**Client Name:**	EA Orange
Client Project ID:	405734	**Sample Collection Date:**	21-Aug-18

RRFs: CS3 AB

Lab/Sample Details

Lab Job #:	0818-726	**Matrix:**	Aqueous	**Date Received:**	25-Aug-18
Lab Sample ID:	0818-726_10118_004	**Weight/Volume:**	1.05	**Date Extracted:**	27-Aug-18
QC Batch #:	10118	**Split Factor:**	1	**Date Analyzed:**	30-Aug-18
Dilution:	-			**Time Analyzed:**	15:26:58

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.308			ES 2,3,7,8-TCDD	106	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	121	

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	30-Aug-18	30-Aug-18
Acquisition Time	9:29:53	19:32:07

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.18	1.07	1.16	1.7	-7.8	1.13	9.8
1,2,3,7,8-PeCDD	0.99	0.93	1.06	-6.6	-12.3	0.96	6.2
1,2,3,4,7,8-HxCDD	1.09	1.04	1.05	3.8	-1.0	1.07	4.7
1,2,3,6,7,8-HxCDD	1.19	1.12	1.09	9.2	2.8	1.16	6.1
1,2,3,7,8,9-HxCDD	0.96	0.89	1.02	-5.9	-12.7	0.93	7.6
1,2,3,4,6,7,8-HpCDD	1.06	1.00	1.07	-0.9	-6.5	1.03	5.8
OCDD	1.11	1.10	1.11	0.0	-0.9	1.11	0.9
2,3,7,8-TCDF	1.02	0.92	1.08	-5.6	-14.8	0.97	10.3
1,2,3,7,8-PeCDF	0.99	0.96	1.04	-4.8	-7.7	0.98	3.1
2,3,4,7,8-PeCDF	0.98	0.94	1.02	-3.9	-7.8	0.96	4.2
1,2,3,4,7,8-HxCDF	1.32	1.26	1.36	-2.9	-7.4	1.29	4.7
1,2,3,6,7,8-HxCDF	1.22	1.17	1.24	-1.6	-5.6	1.20	4.2
2,3,4,6,7,8-HxCDF	1.23	1.17	1.26	-2.4	-7.1	1.20	5.0
1,2,3,7,8,9-HxCDF	1.22	1.13	1.24	-1.6	-8.9	1.18	7.7
1,2,3,4,6,7,8-HpCDF	1.42	1.29	1.43	-0.7	-9.8	1.36	9.6
1,2,3,4,7,8,9-HpCDF	1.37	1.28	1.38	-0.7	-7.2	1.33	6.8
OCDF	1.04	0.99	1.11	-6.3	-10.8	1.02	4.9
ES 2,3,7,8-TCDD	0.93	0.94	1.02	-8.8	-7.8	0.94	1.1
ES 1,2,3,7,8-PeCDD	0.78	0.86	0.86	-9.3	0.0	0.82	9.8
ES 1,2,3,4,7,8-HxCDD	1.03	1.02	1.03	0.0	-1.0	1.03	1.0
ES 1,2,3,6,7,8-HxCDD	1.05	1.04	1.02	2.9	2.0	1.05	1.0
ES 1,2,3,7,8,9-HxCDD	1.19	1.19	1.14	4.4	4.4	1.19	0.0
ES 1,2,3,4,6,7,8-HpCDD	0.87	0.83	0.86	1.2	-3.5	0.85	4.7
ES OCDD	0.61	0.60	0.67	-9.0	-10.4	0.61	1.7
ES 2,3,7,8-TCDF	0.94	0.90	1.02	-7.8	-11.8	0.92	4.3
ES 1,2,3,7,8-PeCDF	0.80	0.87	0.86	-7.0	1.2	0.84	8.4
ES 2,3,4,7,8-PeCDF	0.78	0.90	0.89	-12.4	1.1	0.84	14.3
ES 1,2,3,4,7,8-HxCDF	1.31	1.20	1.24	5.6	-3.2	1.26	8.8
ES 1,2,3,6,7,8-HxCDF	1.67	1.51	1.44	16.0	4.9	1.59	10.1
ES 2,3,4,6,7,8-HxCDF	1.45	1.33	1.31	10.7	1.5	1.39	8.6
ES 1,2,3,7,8,9-HxCDF	1.13	1.09	1.10	2.7	-0.9	1.11	3.6
ES 1,2,3,4,6,7,8-HpCDF	1.06	0.91	1.00	6.0	-9.0	0.99	15.2
ES 1,2,3,4,7,8,9-HpCDF	0.79	0.73	0.81	-2.5	-9.9	0.76	7.9
ES OCDF	0.81	0.78	0.87	-6.9	-10.3	0.80	3.8

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	30-Aug-18	30-Aug-18
Acquisition Time	9:29:53	19:32:07

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
CS 37Cl-2378-TCDD	1.14	1.10	1.22	-6.6	-9.8	1.12	3.6
CS 12347-PeCDD	0.70	0.77	0.72	-2.8	6.9	0.74	9.5
CS 12346-PeCDF	0.81	0.78	0.90	-10.0	-13.3	0.80	3.8
CS 123469-HxCDF	1.42	1.29	1.23	15.4	4.9	1.36	9.6
CS 1234689-HpCDF	0.99	0.86	0.90	10.0	-4.4	0.93	14.1
SS 37Cl-2378-TCDD	1.22	1.13	1.20	1.7	-5.8	1.18	7.7
SS 12347-PeCDD	0.90	0.89	0.85	5.9	4.7	0.90	1.1
SS 12346-PeCDF	1.00	0.90	1.05	-4.8	-14.3	0.95	10.5
SS 123469-HxCDF	0.98	0.97	0.94	4.3	3.2	0.98	1.0
SS 1234689-HpCDF	0.94	0.94	0.90	4.4	4.4	0.94	0.0
AS 1368-TCDD	1.08	1.03	1.10	-1.8	-6.4	1.06	4.7
AS 1368-TCDF	1.15	1.00	1.17	-1.7	-14.5	1.08	14.0
FS 1278-TCDD	-	-	1.07	-	-	-	-
FS 12478-PeCDD	-	-	1.01	-	-	-	-
FS 123468-HxCDD	-	-	1.06	-	-	-	-
FS 1234679-HpCDD	-	-	1.22	-	-	-	-
TS 1378-TCDD	-	-	1.03	-	-	-	-
Analyte	Area	Area					
JS 1234-TCDD	2050484	1794167					
JS 1234-TCDF	3142983	2495948					
JS 123467-HxCDD	1112243	1138118					

ENTHALPY ANALYTICAL

Method Blank

Detailed Results - Method 1613

RRFs: CS3 AB

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	MB1_10118_DF	Weight/Volume:	1.00	Date Extracted:	27-Aug-18
QC Batch #:	10118	Split Factor:	1	Date Analyzed:	30-Aug-18
Dilution:	-			Time Analyzed:	12:07:57

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.524			ES 2,3,7,8-TCDD	87.9	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	102	

ENTHALPY ANALYTICAL

OPR	Detailed Results - Method 1613
	RRFs: CS3 AB

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10118_DF	Final Vol. (uL)	20	Date Extracted:	27-Aug-18
QC Batch #:	10118	Split Factor:	1	Date Analyzed:	30-Aug-18
Dilution:	-			Time Analyzed:	10:33:04

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	11.9				ES 2,3,7,8-TCDD	88.8	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	100	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10118

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	11.9	7.3	14.6	Y	ES 2,3,7,8-TCDD	89	25	141	Y
					CS 2,3,7,8-TCDD	10	3.7	15.8	Y

Enthalpy Analytical Narrative Summary

Company	Enthalpy Orange	**Client #**	405734
Analyst	Laura Boivin	**Job #**	0818-726
Parameters	Dioxins and Furans	**# Samples**	4

Custody	Enthalpy Analytical, Inc. Wilmington, NC office received the sample (via FedEx) by Robin Appelle on 8/25/2018. The sample was received having a temperature of 3.3 ºC, in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, Inc.
Analysis	The samples were analyzed by EPA Method 1613 for TCDD only by HRGC/HRMS. The analysis was done using the following instrumentation; High-Resolution-GC - Agilent Tech Model# 6890, AutoSampler – CTC A200 and High-Resolution Mass-Spec. – Waters (Gandalf).
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration (CS3A and CS3B) and batch control spike met the 20% criteria for native analytes, and met the 30% criterion for the labeled standards..
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed the criteria of at or below 40% threshold. Labeled and sampling (surrogate) standard recoveries were acceptable. The samples were extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The TEQ was calculated and reported to the client using the I-TEFs and the WHO-2005 TEF, calculated several different ways. We also reported Totals and Detection Limits. The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter**.**
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).
- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).

- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

ENTHALPY ANALYTICAL

Sample Inventory Report, Receipt and Log-In Form (Non-Air)

Client/Company: EA Orange	**EU Job #:** 0818-726		
Client Project #: 405734	**Date Samples Arrived:** ~~25-Jul-18~~ 8/25/18		
Client PO #:	**Time Samples Arrived:** 9:57 AM	**Received by Int.:**	RAA

Sample Inventory

Lab Sample ID	Client Sample ID	Client Sample Description	Matrix	Qty.	Sample Collection Date	Sample Collection Time	Notes:
0818-726_001	SMBRP-11 (405734-001)	Water	Aqueous	1	21-Aug-18	11:30 AM	
0818-726_002	MCWP-MW04S (405734-002)	Water	Aqueous	1	21-Aug-18	12:00 PM	
0818-726_003	MCWP-MW07S (405734-003)	Water	Aqueous	1	21-Aug-18	9:25 AM	
0818-726_004	MCWP-MW07D (405734-004)	Water	Aqueous	1	21-Aug-18	11:00 AM	

Sample Receipt & Log-in Details

Courier: FedEx		**Container Condition**	**Tracking Number(s):** 773052595911		
# of Boxes: 0	**# of Coolers: 1**	Intact			
Sample Condition: Good			**Custody Seals (cont.):** NO	**Seal Condition:**	N/A
Sample Temperature(s) in °C (coolers): 3.3			**Custody Seals (samples):** NO	**Seal Condition:**	N/A
Perservative Type: Ice			**Chain of Custody:** YES	**COC Type:**	Client
Sample Temperature(s) in °C (boxes): N/A			**COC Anomaly Details (if applicable):**		
Perservative Type: N/A					
Storage Location: R-1		**All Samples Rec'd:** ☑ YES ☐ NO			

Sample Custodian Signature: _____ **Date:** 8/28/18

Project Manager Signature: _____ **Date:** 8/27/18

0818-726

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 405734 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/21/18 11:30	SMBRP-11 (405734-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
15 Day TAT

2,3,7,8-TCDD only

Relinquished By	Received By
Date/Time 8/23/18 15:30	Date/Time 8/25/18 0957 3.3°
Date/Time	Date/Time

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AMERI SCI

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Ranjit Clarke Enthalpy Analytical	**From:**	Tyler D Miller
		AmeriSci Job #:	918081965
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	405734
Email:	incomingreports@enthalpy.com,ranjit.clarke@enthalpy.com		

Date: Tuesday, August 28, 2018
Time: 11:56:48
Comments:

Number of Pages: 3 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **918081965**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

405734

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	SMBRP-11 (405734-001)	0.003	0	NSD	NSD	0.71	<0.71	<0.71	----
02	MCWP-MW04S (405734-002)	0.003	0	NSD	NSD	0.71	<0.71	<0.71	----
03	MCWP-MW07S (405734-003)	0.003	0	NSD	NSD	0.71	<0.71	<0.71	----
04	MCWP-MW07D (405734-004)	0.01	0	NSD	NSD	0.21	<0.21	<0.21	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/28/2018

Tyler D Miller

9180819 65

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1024384

Project: 405734 **Due:** 5-Days

PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/21/18 11:30	SMBRP-11 (405734-001)	100.2 Asbestos	
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	100.2 Asbestos	
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	100.2 Asbestos	
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	100.2 Asbestos	

Note:

Relinquished By	**Received By:**
Date/Time 8/22/18 1245	Date/Time
Date/Time	Date/Time

8/22/18 @ 12:45

7 °C

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual

Lab Request: 405770
Report Date: 09/04/2018
Date Received: 08/22/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405770-001	SMBRP-13
405770-002	SMBRP-7B

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 12:30 **Site:**
Sample #: **405770-001** **Client Sample #:** SMBRP-13 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.3 J**	1	0.04	0.5	mg/L		08/31/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1194706		
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 20:23	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 20:23	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/22/18	08/22/18 20:23	CO	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1194823		
Total Dissolved Solids	**3200**	2	20	20	mg/L	08/23/18	08/23/18	DXN	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1194958		
Ammonia, as Nitrogen	**0.222**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1194751		
Total Kjeldahl Nitrogen	**0.532**	1	0.052	0.4	mg/L	08/23/18	08/31/18	SLL	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1195029		
Total Phosphorous as P	**0.314**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.963**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1194759		
Fecal Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 13:20 **Site:**
Sample #: **405770-002** **Client Sample #:** SMBRP-7B **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.1 J**	1	0.04	0.5	mg/L		08/31/18	TP	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1194706		
Nitrate + Nitrite, as Nitrogen	**0.57**	1	0.017	0.1	mg/L	08/22/18	08/22/18 20:40	CO	
Nitrate, as Nitrogen	**0.57**	1	0.017	0.1	mg/L	08/22/18	08/22/18 20:40	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/22/18	08/22/18 20:40	CO	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1194823		
Total Dissolved Solids	**2330**	2	20	20	mg/L	08/23/18	08/23/18	DXN	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1194958		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1194751		
Total Kjeldahl Nitrogen	**0.113 J**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1195029		
Total Phosphorous as P	**0.802**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**2.46**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1194759		
Fecal Coliform	**58**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	
Total Coliform	**74**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

QCBatchID: QC1194706 **Analyst:** cota **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194706MB1					
Bromide	ND	mg/L	0.039	0.3	
Chloride	ND	mg/L	0.09	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.017	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.013	0.1	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194706LCS1											
Bromide	15		14.3		mg/L	95			90-110		
Chloride	100		100		mg/L	100			90-110		
Nitrate, as Nitrogen	9.03		9.01		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.20		mg/L	101			90-110		
Sulfate	50		48.7		mg/L	97			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194706MS1, QC1194706MSD1												**Source: 405759-001**
Bromide	ND	15	15	14.3	15.9	mg/L	95	106	10.6	80-120	20	
Chloride	126	100	100	208	217	mg/L	82	91	4.2	80-120	20	
Nitrate, as Nitrogen	4.88	9.03	9.03	13.6	14.5	mg/L	97	107	6.4	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.25	9.19	mg/L	90	100	10.8	80-120	20	
Sulfate	128	50	50	169	173	mg/L	82	90	2.3	80-120	20	

QCBatchID: QC1194751 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194751MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751LCS1											
Total Kjeldahl Nitrogen	2.5		2.3		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751MS1, QC1194751MSD1												**Source: 405740-001**
Total Kjeldahl Nitrogen	0.505	12.5	12.5	12	13	mg/L	92	100	8.0	80-120	20	

QCBatchID: QC1194823	**Analyst:** tdang		**Method:** SM 2540-C		
Matrix: Water	**Analyzed:** 08/23/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194823MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194823LCS1											
Total Dissolved Solids	95		103		mg/L	108			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194823DUP1						**Source: 405682-001**
Total Dissolved Solids	200	200	mg/L	0.0	5	

QCBatchID: QC1194958	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/29/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194958MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958LCS1											
Ammonia, as Nitrogen	5		4.50		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958MS1, QC1194958MSD1												**Source: 405807-002**
Ammonia, as Nitrogen	0.222	5	5	5.60	5.58	mg/L	108	107	0.4	80-120	20	

QCBatchID: QC1195029 **Analyst:** tdang **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195029MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195029LCS1											
Total Phosphorous as P	0.4		0.433		mg/L	108			80-120		
Total Phosphorous as PO4	1.23		1.330		mg/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195029MS1, QC1195029MSD1												**Source: 405694-001**
Total Phosphorous as P	0.230	0.4	0.4	0.653	0.700	mg/L	106	118	6.9	75-125	20	
Total Phosphorous as PO4	0.705	1.23	1.23	2.00	2.14	mg/L	105	117	6.8	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405720	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Peter Doran

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	Test Instructions / Comments
SMBRP-13	8.22.18	1230	W	4/VARIOUS	VARIOUS	X	X	X	X	X	
~~MCWP-MW10~~						X	X	X	X	X	PD
~~CCPE~~						X	X	X	X	X	PD
~~MBCMW-9~~						X	X	X	X	X	PD
SMBRP-7B	8.22.18	1320	W	4/VARIOUS	VARIOUS	X	X	X	X	X	
~~MCWP-MW05~~						X	X	X	X	X	PD
~~MCWP-MW06~~						X	X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon	8.22.18 / 1350
[1] Received By:		Kevin Nguyen	Enthalpy	8/22/18 1350
[2] Relinquished By:			Enthalpy	8/22/18 1604
[2] Received By:			ENT	8/22/18 1604
[3] Relinquished By:				

1.4/10.1 11.4/14.6

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon - Ventura Project: Malibu - Annual

Date Received: 8/22/18 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.1 #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: 3.2 #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

SMBRP-13: Missing containers for Microbiology. The aliquot was subbed from a different container.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/22/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 405783
Report Date: 09/21/2018
Date Received: 08/22/2018
Client ID: 15888

Comments: Malibu - Annual

This report contains all work performed directly by Enthalpy analytical plus all subcontract analyses except for EPA 1694M.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405783-001	LAMW-5S
405783-002	SMBRP-12
405783-003	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 12:40	**Site:**			
Sample #:	**405783-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**10.6**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1194705
Boron	**0.257**	1	0.009	0.05	mg/L	08/23/18	08/23/18		
Calcium	**78.1**	1	0.038	0.1	mg/L	08/23/18	08/23/18		
Iron	**3.76**	1	0.012	0.02	mg/L	08/23/18	08/23/18		
Magnesium	**31.0**	1	0.016	0.1	mg/L	08/23/18	08/23/18		
Manganese	**0.079**	1	0.001	0.01	mg/L	08/23/18	08/23/18		
Potassium	**7.65**	1	0.24	0.5	mg/L	08/23/18	08/23/18		
Sodium	**74.4**	1	0.15	0.5	mg/L	08/23/18	08/23/18		
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1194832
Arsenic	**3.98**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**0.913 J**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	J
Zinc	**37.2**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1194706
Chloride	**98.9**	1	0.09	1	mg/L	08/22/18	08/22/18 21:32	CO	
Nitrate + Nitrite, as Nitrogen	**10.6**	1	0.017	0.1	mg/L	08/22/18	08/22/18 21:32	CO	
Nitrate, as Nitrogen	**10.6**	1	0.017	0.1	mg/L	08/22/18	08/22/18 21:32	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/22/18	08/22/18 21:32	CO	
Sulfate	**71.8**	1	0.087	1	mg/L	08/22/18	08/22/18 21:32	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID:		QC1194770
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/24/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/24/18	LZ	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 12:40 **Site:**
Sample #: **405783-001** **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/24/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/24/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/24/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/24/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/24/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/24/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/24/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/24/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/24/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/24/18	LZ	
Chloroform	**5.6**	1	0.103	0.5	ug/L		08/24/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/24/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/24/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/24/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/24/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/24/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/24/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/24/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/24/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/24/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/24/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/24/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/24/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/24/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/24/18	LZ	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1194770
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/24/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/24/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/24/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*115*	*70-135*	
Dibromofluoromethane (SUR)	*96*	*70-135*	
Toluene-d8 (SUR)	*101*	*70-135*	

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/22/2018 12:40	**Site:**				
Sample #: 405783-001	**Client Sample #:** LAMW-5S		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194713
Color	ND	1	5	5	Color Unit		08/22/18 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194710
Turbidity	**45**	1	0.1	0.1	NTU		08/22/18 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194712
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 18:00	TP	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**240**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**-0.11**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194893
Total Dissolved Solids	**588**	2	20	20	mg/L	08/27/18	08/27/18	TD	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**29.8**	1.05	0.525	0.525	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194717
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/23/18 10:22	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.261**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194744
pH	**7.10**	1			pH Units		08/23/18 16:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**4.35**	16	0.16	0.32	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**13.3**	16	0.48	0.96	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1194838
Total Organic Carbon (TOC)	**4.32**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1194831
MBAS	**0.021 J**	1	0.018	0.04	mg/L	08/24/18 08:45	08/24/18 22:15	TP	J

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 12:40	**Site:**			
Sample #:	**405783-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194759		
Fecal Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	
Total Coliform	**160**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 10:30 **Site:**
Sample #: 405783-002 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.1	0.5	mg/L		08/31/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**5.40**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194705
Boron	**0.874**	1	0.009	0.05	mg/L	08/23/18	08/23/18	KLN	
Calcium	**82.7**	1	0.038	0.1	mg/L	08/23/18	08/23/18	KLN	
Iron	**1.52**	1	0.012	0.02	mg/L	08/23/18	08/23/18	KLN	
Magnesium	**67.3**	1	0.016	0.1	mg/L	08/23/18	08/23/18	KLN	
Manganese	**0.350**	1	0.001	0.01	mg/L	08/23/18	08/23/18	KLN	
Potassium	**29.4**	1	0.24	0.5	mg/L	08/23/18	08/23/18	KLN	
Sodium	**459**	1	0.15	0.5	mg/L	08/23/18	08/23/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**18.4**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**3.33**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	
Zinc	**16.7**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194706
Chloride	**523**	10	0.9	10	mg/L	08/22/18	08/23/18 16:39	CO	
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 21:50	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 21:50	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/22/18	08/22/18 21:50	CO	
Sulfate	**397**	10	0.87	10	mg/L	08/22/18	08/23/18 16:39	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 508 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194770
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/24/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/24/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 10:30	**Site:**			
Sample #:	**405783-002**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/24/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/24/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/24/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/24/18	LZ	
1,3-Dichlorobenzene	**0.31 J**	1	0.176	0.5	ug/L		08/24/18	LZ	J
1,4-Dichlorobenzene	**0.37 J**	1	0.185	0.5	ug/L		08/24/18	LZ	J
Benzene	ND	1	0.124	0.5	ug/L		08/24/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/24/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/24/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/24/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/24/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/24/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/24/18	LZ	
cis-1,2-Dichloroethene	**0.36 J**	1	0.114	0.5	ug/L		08/24/18	LZ	J
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/24/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/24/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/24/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/24/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/24/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/24/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/24/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/24/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/24/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/24/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/24/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/24/18	LZ	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 547	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 548.1	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 549.2	**Prep Method: Method**						**QCBatchID:**		
See Attached		1							
Method: EPA 552.2	**Prep Method: See Attached**						**QCBatchID:**		
See Attached		1							
Method: EPA 624	**Prep Method: 5030B**						**QCBatchID:**		**QC1194770**
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/24/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/24/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/24/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*97*	*70-135*	
4-Bromofluorobenzene (SUR)	*113*	*70-135*	
Dibromofluoromethane (SUR)	*97*	*70-135*	
Toluene-d8 (SUR)	*102*	*70-135*	

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/22/2018 10:30	**Site:**				
Sample #: 405783-002	**Client Sample #:** SMBRP-12		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194713
Color	ND	1	5	5	Color Unit		08/22/18 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194710
Turbidity	**9.4**	1	0.1	0.1	NTU		08/22/18 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194712
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 18:00	TP	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**380**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.11**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194893
Total Dissolved Solids	**1850**	2	20	20	mg/L	08/27/18	08/27/18	TD	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**8.2**	1.05	0.525	0.525	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194717
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/23/18 10:22	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.479**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194744
pH	**7.24**	1			pH Units		08/23/18 16:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	**4.99**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**5.4**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**1.000**	4	0.04	0.08	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**3.06**	4	0.12	0.24	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1194838
Total Organic Carbon (TOC)	**14.1**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1194831
MBAS	**0.082**	1	0.018	0.04	mg/L	08/24/18 08:45	08/24/18 22:15	TP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 10:30	**Site:**			
Sample #:	**405783-002**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194759		
Fecal Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	
Total Coliform	**88**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 11:30 **Site:**
Sample #: 405783-003 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.20**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194705
Boron	**0.808**	1	0.009	0.05	mg/L	08/23/18	08/23/18	KLN	
Calcium	**90.3**	1	0.038	0.1	mg/L	08/23/18	08/23/18	KLN	
Iron	**0.796**	1	0.012	0.02	mg/L	08/23/18	08/23/18	KLN	
Magnesium	**90.6**	1	0.016	0.1	mg/L	08/23/18	08/23/18	KLN	
Manganese	**0.150**	1	0.001	0.01	mg/L	08/23/18	08/23/18	KLN	
Potassium	**14.8**	1	0.24	0.5	mg/L	08/23/18	08/23/18	KLN	
Sodium	**568**	1	0.15	0.5	mg/L	08/23/18	08/23/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**3.47**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	
See Attached		1							
Selenium	**3.39**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	
Zinc	**11.4**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194706
Chloride	**703**	10	0.9	10	mg/L	08/22/18	08/23/18 16:56	CO	
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 22:07	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/22/18	08/22/18 22:07	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/22/18	08/22/18 22:07	CO	
Sulfate	**620**	10	0.87	10	mg/L	08/22/18	08/23/18 16:56	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194770
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/24/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/24/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/24/18	LZ	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/22/2018 11:30 **Site:**
Sample #: **405783-003** **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/24/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/24/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/24/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/24/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/24/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/24/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/24/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/24/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/24/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/24/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/24/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/24/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/24/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/24/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/24/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/24/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/24/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/24/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/24/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/24/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/24/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/24/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/24/18	LZ	

Method: EPA 525.2 Prep Method: Method QCBatchID:
See Attached 1

Method: EPA 531.1 Prep Method: Method QCBatchID:
See Attached 1

Method: EPA 547 Prep Method: Method QCBatchID:
See Attached 1

Method: EPA 548.1 Prep Method: Method QCBatchID:
See Attached 1

Method: EPA 549.2 Prep Method: Method QCBatchID:
See Attached 1

Method: EPA 552.2 Prep Method: See Attached QCBatchID:
See Attached 1

Method: EPA 624 Prep Method: 5030B QCBatchID: QC1194770

2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/24/18	LZ
Acrolein	ND	1	3.3	5	ug/L		08/24/18	LZ
Acrylonitrile	ND	1	1.6	2	ug/L		08/24/18	LZ

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*116*	*70-135*	
Dibromofluoromethane (SUR)	*99*	*70-135*	
Toluene-d8 (SUR)	*102*	*70-135*	

Method: EPA 625 Prep Method: See Attached QCBatchID:
See Attached 1

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 11:30	**Site:**			
Sample #:	**405783-003**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194713
Color	ND	1	5	5	Color Unit		08/22/18 18:00	TP	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194710
Turbidity	**7.0**	1	0.1	0.1	NTU		08/22/18 18:00	TP	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194712
Odor Threshold	ND	1	1	1	T.O.N		08/22/18 18:00	TP	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**310**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.18**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194893
Total Dissolved Solids	**2280**	2	20	20	mg/L	08/27/18	08/27/18	TD	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194877
Total Suspended Solids	**7.7**	1.05	0.525	0.525	mg/L	08/27/18	08/27/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194717
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/23/18 10:22	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.462**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194744
pH	**7.39**	1			pH Units		08/23/18 16:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194958
Ammonia, as Nitrogen	**2.32**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1194751
Total Kjeldahl Nitrogen	**2.2**	1	0.052	0.4	mg/L	08/23/18	08/24/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**0.372**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**1.140**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1194838
Total Organic Carbon (TOC)	**7.62**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1194831
MBAS	ND	1	0.018	0.04	mg/L	08/24/18 08:45	08/24/18 22:15	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1194759
Fecal Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/22/2018 11:30	**Site:**			
Sample #:	**405783-003**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Total Coliform	**<2**	2			MPN/100ml	08/22/18 19:00	08/23/18	LH	

QCBatchID: QC1194705 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194705MB1					
Boron	**0.010 J**	mg/L	0.009	0.05	
Calcium	ND	mg/L	0.038	0.1	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.001	0.01	
Iron	ND	mg/L	0.012	0.02	
Magnesium	ND	mg/L	0.016	0.1	
Manganese	ND	mg/L	0.001	0.01	
Potassium	ND	mg/L	0.24	0.5	
Sodium	ND	mg/L	0.15	0.5	
Zinc	**0.006 J**	mg/L	0.002	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194705LCS1											
Boron	2		2.03		mg/L	102			85-115		
Calcium	20		20.1		mg/L	101			85-115		
Chromium	2		2.05		mg/L	103			85-115		
Copper	2		1.92		mg/L	96			85-115		
Iron	2		2.15		mg/L	108			85-115		
Magnesium	20		20.3		mg/L	102			85-115		
Manganese	2		1.99		mg/L	100			85-115		
Potassium	38		36.1		mg/L	95			85-115		
Sodium	20		18.8		mg/L	94			85-115		
Zinc	2		1.94		mg/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194705MS1												**Source: 405768-001**
Boron	4.88	1		5.82		mg/L	94			75-125		
Calcium	415	20		448		mg/L	165			75-125		M
Chromium	0.034	1		1.03		mg/L	100			75-125		
Copper	0.044	1		1.07		mg/L	103			75-125		
Iron	ND	1		1.17		mg/L	117			75-125		
Magnesium	1230	20		1300		mg/L	350			75-125		M
Manganese	0.042	1		1.06		mg/L	102			75-125		
Potassium	391	29		434		mg/L	148			75-125		M
Sodium	8980	20		9870		mg/L	4450			75-125		M
Zinc	0.098	1		0.990		mg/L	89			75-125		

QCBatchID: QC1194706 **Analyst:** cota **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/22/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194706MB1					
Bromide	ND	mg/L	0.039	0.3	
Chloride	ND	mg/L	0.09	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.017	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.013	0.1	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1194706LCS1											
Bromide	15		14.3		mg/L	95			90-110		
Chloride	100		100		mg/L	100			90-110		
Nitrate, as Nitrogen	9.03		9.01		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.20		mg/L	101			90-110		
Sulfate	50		48.7		mg/L	97			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1194706MS1, QC1194706MSD1												**Source: 405759-001**
Bromide	ND	15	15	14.3	15.9	mg/L	95	106	10.6	80-120	20	
Chloride	126	100	100	208	217	mg/L	82	91	4.2	80-120	20	
Nitrate, as Nitrogen	4.88	9.03	9.03	13.6	14.5	mg/L	97	107	6.4	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.25	9.19	mg/L	90	100	10.8	80-120	20	
Sulfate	128	50	50	169	173	mg/L	82	90	2.3	80-120	20	

QCBatchID:	**QC1194710**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194710DUP1						**Source: 405783-001**
Turbidity	45	46	NTU	2.2	20	

QCBatchID:	**QC1194712**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194712DUP1						**Source: 405783-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1194713**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/22/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194713DUP1						**Source: 405783-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID: QC1194717 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194717MB1					
Chlorine, Total Residual	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194717LCS1											
Chlorine, Total Residual	1		0.96		mg/L	96			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194717DUP1						**Source: 405783-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1194744**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/23/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194744DUP1						**Source: 405783-003**
pH	7.39	7.30	pH Units	1.2	20	

QCBatchID: QC1194751 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194751MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751LCS1											
Total Kjeldahl Nitrogen	2.5		2.3		mg/L	92			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194751MS1, QC1194751MSD1												**Source: 405740-001**
Total Kjeldahl Nitrogen	0.505	12.5	12.5	12	13	mg/L	92	100	8.0	80-120	20	

QCBatchID: QC1194770 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194770MB1					
1,1,1-Trichloroethane	ND	ug/L	0.063	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.063	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.045	0.5	
1,1-Dichloroethane	ND	ug/L	0.078	0.5	
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.051	0.5	
1,2-Dichloroethane	ND	ug/L	0.066	0.5	
1,2-Dichloropropane	ND	ug/L	0.06	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.052	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.12	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	5	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Bromodichloromethane	ND	ug/L	0.06	0.5	
Bromoform	ND	ug/L	0.053	0.5	
Bromomethane	ND	ug/L	0.13	1	
Carbon Tetrachloride	ND	ug/L	0.045	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Chlorodibromomethane	ND	ug/L	0.045	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.044	0.5	
Chloromethane	ND	ug/L	0.055	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.061	0.5	
Ethylbenzene	ND	ug/L	0.091	0.5	
Methylene chloride	ND	ug/L	0.15	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.068	0.5	
Tetrachloroethene	ND	ug/L	0.15	0.5	
Toluene	ND	ug/L	0.078	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.17	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.056	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	
Trichlorofluoromethane	ND	ug/L	0.06	0.5	
Vinyl Chloride	ND	ug/L	0.08	0.5	
Xylenes (Total)	ND	ug/L	0.25	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194770LCS1											
1,1-Dichloroethene	50		53		ug/L	106			59-172		
Benzene	50		52		ug/L	104			62-137		
Chlorobenzene	50		52		ug/L	104			60-133		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194770MS1, QC1194770MSD1												**Source: 405783-001**
1,1-Dichloroethene	ND	50	50	48	54	ug/L	96	108	11.8	59-172	22	
Benzene	ND	50	50	49	54	ug/L	98	108	9.7	62-137	24	

QCBatchID: QC1194770 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** VOA-MS (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194770MS1, QC1194770MSD1												**Source: 405783-001**
Chlorobenzene	ND	50	50	48	53	ug/L	96	106	9.9	60-133	21	
Toluene	ND	50	50	48	53	ug/L	96	106	9.9	59-139	21	
Trichloroethene	ND	50	50	50	56	ug/L	100	112	11.3	66-142	21	

QCBatchID: QC1194786 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194786MB1					
Cyanide	ND	mg/L	0.002	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786LCS1											
Cyanide	0.2		0.20		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786MS1, QC1194786MSD1												**Source: 405808-001**
Cyanide	ND	0.2	0.2	0.19	0.19	mg/L	95	95	0.0	80-120	20	

QCBatchID: QC1194831 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194831MB1					
MBAS	ND	mg/L	0.018	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194831LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194831MS1, QC1194831MSD1												**Source: 405839-001**
MBAS	ND	1	1	1.1	1.1	mg/L	110	110	0.0	75-125	20	

QCBatchID: QC1194832 **Analyst:** cota **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194832MB1					
Arsenic	ND	ug/L	0.31	2	
Selenium	ND	ug/L	0.39	2	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832LCS1											
Arsenic	50		54.8		ug/L	110			85-115		
Selenium	50		49.5		ug/L	99			85-115		
Zinc	50		56.0		ug/L	112			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832MS1												**Source: 405808-001**
Arsenic	1.12	50		53.5		ug/L	105			70-130		
Selenium	3.01	50		50.3		ug/L	95			70-130		
Zinc	9.84	50		60.9		ug/L	115			70-130		
QC1194832MS2												**Source: 405808-002**
Arsenic	0.743	50		56.5		ug/L	112			70-130		
Selenium	2.23	50		51.7		ug/L	99			70-130		
Zinc	7.95	50		58.9		ug/L	102			70-130		

QCBatchID: QC1194838 **Analyst:** tdang **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194838MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.203	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194838LCS1											
Total Organic Carbon (TOC)	10		9.91		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194838MS1, QC1194838MSD1												**Source: 405783-002**
Total Organic Carbon (TOC)	14.1	20	20	26.7	28.0	mg/L	63	70	4.8	80-120	20	M

QCBatchID: QC1194877	**Analyst:** trinh	**Method:** SM 2540-D	
Matrix: Water	**Analyzed:** 08/27/2018	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194877MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194877DUP1						**Source: 405734-003**
Total Suspended Solids	385	385	mg/L	0.0	5	

QCBatchID: QC1194883 **Analyst:** wei **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194883MB1					
Fluoride	ND	mg/L	0.005	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194883LCS1											
Fluoride	1		0.965		mg/L	97			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194883MS1, QC1194883MSD1												**Source: 405808-001**
Fluoride	1.15	1	1	2.08	2.13	mg/L	93	98	2.4	75-125	20	

QCBatchID: QC1194893 **Analyst:** tdang **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194893MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194893LCS1											
Total Dissolved Solids	95		101		mg/L	106			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194893DUP1						**Source: 405783-001**
Total Dissolved Solids	588	592	mg/L	0.7	5	

QCBatchID: QC1194909 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194909MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	5	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1194909LCS1											
Total Alkalinity (as CaCO3)	25000		24000		mg/L	96			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194909DUP1						**Source: 405808-001**
Total Alkalinity (as CaCO3)	870	850	mg/L	2.3	20	

QCBatchID:	**QC1194912**	**Analyst:**	cota	**Method:**	EPA 314.0
Matrix:	Water	**Analyzed:**	08/28/2018	**Instrument:**	AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194912MB1					
Perchlorate	ND	ug/L	1.1	2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194912LCS1											
Perchlorate	50		48		ug/L	96			85-115		

QCBatchID: QC1194958 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/29/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194958MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958LCS1											
Ammonia, as Nitrogen	5		4.50		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958MS1, QC1194958MSD1												**Source: 405807-002**
Ammonia, as Nitrogen	0.222	5	5	5.60	5.58	mg/L	108	107	0.4	80-120	20	

QCBatchID: QC1195027 **Analyst:** tdang **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195027MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027LCS1											
Total Phosphorous as P	0.4		0.402		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.230		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027MS1, QC1195027MSD1												**Source: 405783-003**
Total Phosphorous as P	0.372	0.4	0.4	0.700	0.700	mg/L	82	82	0.0	75-125	20	
Total Phosphorous as PO4	1.140	1.23	1.23	2.14	2.14	mg/L	81	81	0.0	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405783				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	PETER DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
LAMW-5S	8.22.18	1240	W	47/VARIOUS	VARIOUS	X	X	X	X	X	X	X	X	X	X	
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	
SMBRP-12	8.22.18	1030	W	47/VARIOUS	VARIOUS	X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	PD
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	
MCWP-MW09	8.22.18	1130	W	47/VARIOUS	VARIOUS	X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	RINCON	8.22.18 / 1350
[1] Received By:			ENTHALPY	8/22/18 1350
[2] Relinquished By:			ENTHALPY	8/22/18 1604
[2] Received By:				8/22/18 1604
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	2	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	SEE PAGE ONE
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	PETER DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	8.22.18	1240	W	PAGE ONE		X	X	X	X	X	X	X	X	X	X	
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	PD
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	
SMBRP-12	8.22.18	1030	W	SEE PAGE ONE		X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	PD
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	
MCWP-MW09	8.22.18	1130	W	SEE PAGE ONE		X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon	8.22.18 1350
[1] Received By:			enthalpy	8/22/18 1350
[2] Relinquished By:			enthalpy	8/22/18 1600
[2] Received By:			GSO	8/22/18 1600
[3] Relinquished By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No:	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 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 - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	SEE PAGE ONE
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	PETER DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	9.22.18	1240	W	4T/VARIOUS	VARIOUS	X	X	
~~SMBRP-9~~						X	X	PD
~~SMBRP-11~~						X	X	
SMBRP-12	9.22.18	1030	W	4T/VARIOUS	VARIOUS	X	X	
~~MCWP-MW04S~~						X	X	PD
~~MCWP-MW04D~~						X	X	
~~MCWP-MW07S~~						X	X	
~~MCWP-MW07D~~						X	X	
MCWP-MW09	9.22.18	1130	W	4T/VARIOUS	VARIOUS	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon	9.22.18 / 1350
[1] Received By:			ENTHALPY	8/22/18 1350
[2] Relinquished By:			ENTHALPY	8/22/18 1604
[2] Received By:			GT	8/22/18 1604
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon - Ventura Project: Malibu - Annual

Date Received: 8/22/18 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.1 #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: 3.2 #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: 8/22/18

WECK LABORATORIES, INC.

Certificate of Analysis

PRELIMINARY REPORT

Work Orders: 8H23090

Project: 405783

Attn: Albert Vargas

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/17/2018
Received Date: 8/23/2018
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1024472
Billing Code:

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/23/18 with the Chain-of-Custody document. The samples were received in good condition, at 1.0 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: LAMW-5S(405783-001)
8H23090-01 (Water)

Sampled: 08/22/18 12:40 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/28/18 13:12	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/28/18 12:08	M-05
Chlorite	ND	50	ug/l	5	08/28/18 12:08	M-05
Surrogate(s)						
Dichloroacetate	*109%*	*90-115*	*Conc: 543*		*08/28/18 12:08*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 21:39	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 21:39	
Method: EPA 508 **Batch ID:** W8H1618 **Instr:** GC07 **Prepared:** 08/28/18 08:09 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	09/04/18 23:30	
4,4´-DDE	ND	0.010	ug/l	1	09/04/18 23:30	
4,4´-DDT	**0.030**	0.010	ug/l	1	09/04/18 23:30	
Aldrin	ND	0.010	ug/l	1	09/04/18 23:30	
alpha-BHC	ND	0.010	ug/l	1	09/04/18 23:30	
Aroclor 1016	ND	0.50	ug/l	1	09/04/18 23:30	R-01
Aroclor 1221	ND	0.50	ug/l	1	09/04/18 23:30	R-01
Aroclor 1232	ND	0.50	ug/l	1	09/04/18 23:30	R-01
Aroclor 1242	ND	0.50	ug/l	1	09/04/18 23:30	R-01
Aroclor 1248	ND	0.50	ug/l	1	09/04/18 23:30	R-01
Aroclor 1254	ND	0.10	ug/l	1	09/04/18 23:30	

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Sample Results

(Continued)

Sample: LAMW-5S(405783-001) Sampled: 08/22/18 12:40 by Client

8H23090-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1618 **Instr:** GC07		**Prepared:** 08/28/18 08:09			**Analyst:** rmr	
Aroclor 1260	ND	0.10	ug/l	1	09/04/18 23:30	
beta-BHC	ND	0.010	ug/l	1	09/04/18 23:30	
Chlordane (tech)	ND	0.10	ug/l	1	09/04/18 23:30	
Chlorothalonil	ND	0.050	ug/l	1	09/04/18 23:30	
delta-BHC	ND	0.010	ug/l	1	09/04/18 23:30	
Dieldrin	ND	0.010	ug/l	1	09/04/18 23:30	
Endosulfan I	ND	0.010	ug/l	1	09/04/18 23:30	
Endosulfan II	ND	0.010	ug/l	1	09/04/18 23:30	
Endosulfan sulfate	ND	0.010	ug/l	1	09/04/18 23:30	
Endrin	ND	0.010	ug/l	1	09/04/18 23:30	
Endrin aldehyde	ND	0.010	ug/l	1	09/04/18 23:30	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/04/18 23:30	
Heptachlor	ND	0.010	ug/l	1	09/04/18 23:30	
Heptachlor epoxide	ND	0.010	ug/l	1	09/04/18 23:30	
Hexachlorobenzene	ND	0.050	ug/l	1	09/04/18 23:30	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/04/18 23:30	
Methoxychlor	ND	0.010	ug/l	1	09/04/18 23:30	
PCBs, Total	ND	0.50	ug/l	1	09/04/18 23:30	
Propachlor	ND	0.050	ug/l	1	09/04/18 23:30	
Toxaphene	ND	0.50	ug/l	1	09/04/18 23:30	
Trifluralin	ND	0.010	ug/l	1	09/04/18 23:30	
Surrogate(s)						
Decachlorobiphenyl	*55%*	*70-130*	*Conc: 0.0550*		*09/04/18 23:30*	*S-GC*
Tetrachloro-meta-xylene	*94%*	*70-130*	*Conc: 0.0942*		*09/04/18 23:30*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 05:51	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 05:51	
2,4-D	ND	0.40	ug/l	1	09/05/18 05:51	
2,4-DB	ND	2.0	ug/l	1	09/05/18 05:51	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 05:51	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 05:51	
Bentazon	ND	2.0	ug/l	1	09/05/18 05:51	
Dalapon	ND	0.40	ug/l	1	09/05/18 05:51	
DCPA	ND	0.10	ug/l	1	09/05/18 05:51	
Dicamba	ND	0.60	ug/l	1	09/05/18 05:51	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 05:51	
Dinoseb	ND	0.40	ug/l	1	09/05/18 05:51	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 05:51	
Picloram	ND	0.60	ug/l	1	09/05/18 05:51	
Surrogate(s)						
2,4-DCAA	*76%*	*70-130*	*Conc: 7.64*		*09/05/18 05:51*	

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Sample Results

(Continued)

Sample: LAMW-5S(405783-001) Sampled: 08/22/18 12:40 by Client

8H23090-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 10:41	
Atrazine	ND	0.10	ug/l	1	09/06/18 10:41	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 10:41	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 10:41	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 10:41	
Bromacil	ND	0.50	ug/l	1	09/06/18 10:41	
Butachlor	ND	0.10	ug/l	1	09/06/18 10:41	
Captan	ND	1.0	ug/l	1	09/06/18 10:41	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 10:41	
Cyanazine	ND	0.10	ug/l	1	09/06/18 10:41	
Diazinon	ND	0.10	ug/l	1	09/06/18 10:41	
Dimethoate	ND	0.20	ug/l	1	09/06/18 10:41	
Diphenamid	ND	0.10	ug/l	1	09/06/18 10:41	
Disulfoton	ND	0.10	ug/l	1	09/06/18 10:41	
EPTC	ND	0.10	ug/l	1	09/06/18 10:41	
Metolachlor	ND	0.10	ug/l	1	09/06/18 10:41	
Metribuzin	ND	0.10	ug/l	1	09/06/18 10:41	
Molinate	ND	0.10	ug/l	1	09/06/18 10:41	
Prometon	ND	0.10	ug/l	1	09/06/18 10:41	
Prometryn	ND	0.10	ug/l	1	09/06/18 10:41	
Simazine	ND	0.10	ug/l	1	09/06/18 10:41	
Terbacil	ND	2.0	ug/l	1	09/06/18 10:41	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 10:41	
Trithion	ND	0.10	ug/l	1	09/06/18 10:41	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*184%*	*70-130*	*Conc: 9.20*		*09/06/18 10:41*	*S-GC*
Perylene-d12	*17%*	*50-120*	*Conc: 0.837*		*09/06/18 10:41*	*S-GC*
Triphenyl phosphate	*116%*	*70-130*	*Conc: 5.78*		*09/06/18 10:41*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 10:42	
Aldicarb	ND	2.0	ug/l	1	08/29/18 10:42	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 10:42	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 10:42	
Carbaryl	ND	2.0	ug/l	1	08/29/18 10:42	
Carbofuran	ND	2.0	ug/l	1	08/29/18 10:42	
Methiocarb	ND	2.0	ug/l	1	08/29/18 10:42	
Methomyl	ND	2.0	ug/l	1	08/29/18 10:42	
Oxamyl	ND	2.0	ug/l	1	08/29/18 10:42	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 10:42	
Method: EPA 547 **Batch ID:** W8I0072 **Instr:** LC10		**Prepared:** 09/04/18 15:27			**Analyst:** blg	
Glyphosate	ND	5.0	ug/l	1	09/05/18 14:33	

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Sample Results

(Continued)

Sample: LAMW-5S(405783-001) Sampled: 08/22/18 12:40 by Client

8H23090-01 (Water) (Continued)

Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 548.1	**Batch ID:** W8H1517	**Instr:** GCMS06	**Prepared:** 08/27/18 15:37			**Analyst:** etn	
Endothall		ND	40	ug/l	1	08/30/18 13:26	
Method: EPA 549.2	**Batch ID:** W8H1717	**Instr:** LC11	**Prepared:** 08/29/18 08:44			**Analyst:** blg	
Diquat		ND	2.0	ug/l	1	09/06/18 18:47	
Method: EPA 552.2	**Batch ID:** W8H1508	**Instr:** GC05	**Prepared:** 08/27/18 07:53			**Analyst:** cam	
Dibromoacetic acid (dbaa)		ND	1.0	ug/l	1	08/28/18 09:56	
Dichloroacetic acid (dcaa)		ND	1.0	ug/l	1	08/28/18 09:56	
HAA5, Total		ND	1.0	ug/l	1	08/28/18 09:56	
Monobromoacetic acid (mbaa)		ND	1.0	ug/l	1	08/28/18 09:56	
Monochloroacetic acid (mcaa)		ND	2.0	ug/l	1	08/28/18 09:56	
Trichloroacetic acid (tcaa)		ND	1.0	ug/l	1	08/28/18 09:56	
Surrogate(s)							
2,3-Dibromopropionic acid		*109%*	*70-130*	*Conc: 10.9*		*08/28/18 09:56*	
Method: EPA 625	**Batch ID:** W8H1441	**Instr:** GCMS06	**Prepared:** 08/24/18 08:09			**Analyst:** etn	
1,2,4-Trichlorobenzene		ND	1.0	ug/l	1	09/12/18 09:32	
1,2-Dichlorobenzene		ND	1.0	ug/l	1	09/12/18 09:32	
1,2-Diphenylhydrazine/Azobenzene		ND	1.0	ug/l	1	09/12/18 09:32	
1,3-Dichlorobenzene		ND	1.0	ug/l	1	09/12/18 09:32	
1,4-Dichlorobenzene		ND	1.0	ug/l	1	09/12/18 09:32	
2,4,6-Trichlorophenol		ND	1.0	ug/l	1	09/12/18 09:32	
2,4-Dichlorophenol		ND	1.0	ug/l	1	09/12/18 09:32	
2,4-Dimethylphenol		ND	1.0	ug/l	1	09/12/18 09:32	
2,4-Dinitrophenol		ND	5.0	ug/l	1	09/12/18 09:32	
2,4-Dinitrotoluene		ND	1.0	ug/l	1	09/12/18 09:32	
2,6-Dinitrotoluene		ND	1.0	ug/l	1	09/12/18 09:32	
2-Chloronaphthalene		ND	1.0	ug/l	1	09/12/18 09:32	
2-Chlorophenol		ND	1.0	ug/l	1	09/12/18 09:32	
2-Methyl-4,6-dinitrophenol		ND	1.0	ug/l	1	09/12/18 09:32	
2-Nitrophenol		ND	1.0	ug/l	1	09/12/18 09:32	
3,3'-Dichlorobenzidine		ND	1.0	ug/l	1	09/12/18 09:32	
4-Bromophenyl phenyl ether		ND	1.0	ug/l	1	09/12/18 09:32	
4-Chloro-3-methylphenol		ND	1.0	ug/l	1	09/12/18 09:32	
4-Chlorophenyl phenyl ether		ND	1.0	ug/l	1	09/12/18 09:32	
4-Nitrophenol		ND	2.0	ug/l	1	09/12/18 09:32	
Acenaphthene		ND	1.0	ug/l	1	09/12/18 09:32	
Acenaphthylene		ND	1.0	ug/l	1	09/12/18 09:32	
Anthracene		ND	1.0	ug/l	1	09/12/18 09:32	
Benzidine		ND	10	ug/l	1	09/12/18 09:32	
Benzo (a) anthracene		ND	1.0	ug/l	1	09/12/18 09:32	
Benzo (a) pyrene		ND	1.0	ug/l	1	09/12/18 09:32	
Benzo (b) fluoranthene		ND	1.0	ug/l	1	09/12/18 09:32	
Benzo (g,h,i) perylene		ND	1.0	ug/l	1	09/12/18 09:32	

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Sample Results

(Continued)

Sample: LAMW-5S(405783-001) Sampled: 08/22/18 12:40 by Client

8H23090-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 09:32	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 09:32	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 09:32	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 09:32	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 09:32	
Chrysene	ND	1.0	ug/l	1	09/12/18 09:32	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 09:32	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 09:32	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 09:32	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 09:32	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 09:32	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 09:32	
Fluorene	ND	1.0	ug/l	1	09/12/18 09:32	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 09:32	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 09:32	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 09:32	
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 09:32	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 09:32	
Isophorone	ND	1.0	ug/l	1	09/12/18 09:32	
Naphthalene	ND	1.0	ug/l	1	09/12/18 09:32	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 09:32	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 09:32	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 09:32	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 09:32	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 09:32	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 09:32	
Phenol	ND	1.0	ug/l	1	09/12/18 09:32	
Pyrene	ND	1.0	ug/l	1	09/12/18 09:32	
Surrogate(s)						
2,4,6-Tribromophenol	*63%*	*25-102*	*Conc: 33.2*		*09/12/18 09:32*	
2-Fluorobiphenyl	*56%*	*22-107*	*Conc: 14.6*		*09/12/18 09:32*	
2-Fluorophenol	*30%*	*3-74*	*Conc: 15.8*		*09/12/18 09:32*	
Nitrobenzene-d5	*54%*	*27-111*	*Conc: 14.1*		*09/12/18 09:32*	
Phenol-d5	*20%*	*0.1-53*	*Conc: 10.7*		*09/12/18 09:32*	
Terphenyl-d14	*96%*	*28-113*	*Conc: 25.3*		*09/12/18 09:32*	

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(Continued)

Sample: SMBRP-12(405783-002) Sampled: 08/22/18 10:30 by Client

8H23090-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/28/18 13:40	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/28/18 12:32	M-05
Chlorite	ND	50	ug/l	5	08/28/18 12:32	M-05
Surrogate(s)						
Dichloroacetate	*109%*	*90-115*	*Conc: 544*		*08/28/18 12:32*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 22:00	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 22:00	
Method: EPA 508 **Batch ID:** W8H1618 **Instr:** GC07 **Prepared:** 08/28/18 08:09 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	09/05/18 00:00	
4,4´-DDE	ND	0.010	ug/l	1	09/05/18 00:00	
4,4´-DDT	ND	0.010	ug/l	1	09/05/18 00:00	
Aldrin	ND	0.010	ug/l	1	09/05/18 00:00	
alpha-BHC	ND	0.010	ug/l	1	09/05/18 00:00	
Aroclor 1016	ND	0.50	ug/l	1	09/05/18 00:00	R-01
Aroclor 1221	ND	0.50	ug/l	1	09/05/18 00:00	R-01
Aroclor 1232	ND	0.50	ug/l	1	09/05/18 00:00	R-01
Aroclor 1242	ND	0.50	ug/l	1	09/05/18 00:00	R-01
Aroclor 1248	ND	0.50	ug/l	1	09/05/18 00:00	R-01
Aroclor 1254	ND	0.10	ug/l	1	09/05/18 00:00	
Aroclor 1260	ND	0.10	ug/l	1	09/05/18 00:00	
beta-BHC	ND	0.010	ug/l	1	09/05/18 00:00	
Chlordane (tech)	ND	0.10	ug/l	1	09/05/18 00:00	
Chlorothalonil	ND	0.050	ug/l	1	09/05/18 00:00	
delta-BHC	ND	0.010	ug/l	1	09/05/18 00:00	
Dieldrin	ND	0.010	ug/l	1	09/05/18 00:00	
Endosulfan I	ND	0.010	ug/l	1	09/05/18 00:00	
Endosulfan II	ND	0.010	ug/l	1	09/05/18 00:00	
Endosulfan sulfate	ND	0.010	ug/l	1	09/05/18 00:00	
Endrin	ND	0.010	ug/l	1	09/05/18 00:00	
Endrin aldehyde	ND	0.010	ug/l	1	09/05/18 00:00	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/05/18 00:00	
Heptachlor	ND	0.010	ug/l	1	09/05/18 00:00	
Heptachlor epoxide	ND	0.010	ug/l	1	09/05/18 00:00	
Hexachlorobenzene	ND	0.050	ug/l	1	09/05/18 00:00	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/05/18 00:00	
Methoxychlor	ND	0.010	ug/l	1	09/05/18 00:00	
PCBs, Total	ND	0.50	ug/l	1	09/05/18 00:00	
Propachlor	ND	0.050	ug/l	1	09/05/18 00:00	
Toxaphene	ND	0.50	ug/l	1	09/05/18 00:00	

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Sample Results

(Continued)

Sample: SMBRP-12(405783-002) Sampled: 08/22/18 10:30 by Client

8H23090-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1618 **Instr:** GC07		**Prepared:** 08/28/18 08:09			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	09/05/18 00:00	
Surrogate(s)						
Decachlorobiphenyl	*92%*	*70-130*	*Conc: 0.0917*		*09/05/18 00:00*	
Tetrachloro-meta-xylene	*94%*	*70-130*	*Conc: 0.0939*		*09/05/18 00:00*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 08:52	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 08:52	
2,4-D	ND	0.40	ug/l	1	09/05/18 08:52	
2,4-DB	ND	2.0	ug/l	1	09/05/18 08:52	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 08:52	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 08:52	
Bentazon	ND	2.0	ug/l	1	09/05/18 08:52	
Dalapon	ND	0.40	ug/l	1	09/05/18 08:52	
DCPA	ND	0.10	ug/l	1	09/05/18 08:52	
Dicamba	ND	0.60	ug/l	1	09/05/18 08:52	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 08:52	
Dinoseb	ND	0.40	ug/l	1	09/05/18 08:52	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 08:52	
Picloram	ND	0.60	ug/l	1	09/05/18 08:52	
Surrogate(s)						
2,4-DCAA	*72%*	*70-130*	*Conc: 7.22*		*09/05/18 08:52*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/05/18 23:56	
Atrazine	ND	0.10	ug/l	1	09/05/18 23:56	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/05/18 23:56	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/05/18 23:56	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/05/18 23:56	
Bromacil	ND	0.50	ug/l	1	09/05/18 23:56	
Butachlor	ND	0.10	ug/l	1	09/05/18 23:56	
Captan	ND	1.0	ug/l	1	09/05/18 23:56	
Chlorpropham	ND	0.10	ug/l	1	09/05/18 23:56	
Cyanazine	ND	0.10	ug/l	1	09/05/18 23:56	
Diazinon	ND	0.10	ug/l	1	09/05/18 23:56	
Dimethoate	ND	0.20	ug/l	1	09/05/18 23:56	
Diphenamid	ND	0.10	ug/l	1	09/05/18 23:56	
Disulfoton	ND	0.10	ug/l	1	09/05/18 23:56	
EPTC	ND	0.10	ug/l	1	09/05/18 23:56	
Metolachlor	ND	0.10	ug/l	1	09/05/18 23:56	
Metribuzin	ND	0.10	ug/l	1	09/05/18 23:56	
Molinate	ND	0.10	ug/l	1	09/05/18 23:56	
Prometon	ND	0.10	ug/l	1	09/05/18 23:56	

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Sample Results

(Continued)

Sample: SMBRP-12(405783-002) Sampled: 08/22/18 10:30 by Client

8H23090-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16 **Prepared:** 08/27/18 08:31 **Analyst:** etn						
Prometryn	ND	0.10	ug/l	1	09/05/18 23:56	
Simazine	ND	0.10	ug/l	1	09/05/18 23:56	
Terbacil	ND	2.0	ug/l	1	09/05/18 23:56	
Thiobencarb	ND	0.10	ug/l	1	09/05/18 23:56	
Trithion	ND	0.10	ug/l	1	09/05/18 23:56	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*105%*	*70-130*	*Conc: 5.25*		*09/05/18 23:56*	
Perylene-d12	*93%*	*50-120*	*Conc: 4.66*		*09/05/18 23:56*	
Triphenyl phosphate	*111%*	*70-130*	*Conc: 5.53*		*09/05/18 23:56*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10 **Prepared:** 08/28/18 14:39 **Analyst:** blg						
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 11:15	
Aldicarb	ND	2.0	ug/l	1	08/29/18 11:15	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 11:15	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 11:15	
Carbaryl	ND	2.0	ug/l	1	08/29/18 11:15	
Carbofuran	ND	2.0	ug/l	1	08/29/18 11:15	
Methiocarb	ND	2.0	ug/l	1	08/29/18 11:15	
Methomyl	ND	2.0	ug/l	1	08/29/18 11:15	
Oxamyl	ND	2.0	ug/l	1	08/29/18 11:15	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 11:15	
Method: EPA 547 **Batch ID:** W8I0072 **Instr:** LC10 **Prepared:** 09/04/18 15:27 **Analyst:** blg						
Glyphosate	ND	5.0	ug/l	1	09/05/18 14:46	
Method: EPA 548.1 **Batch ID:** W8H1517 **Instr:** GCMS06 **Prepared:** 08/27/18 15:37 **Analyst:** etn						
Endothall	ND	40	ug/l	1	08/30/18 13:40	
Method: EPA 549.2 **Batch ID:** W8H1717 **Instr:** LC11 **Prepared:** 08/29/18 08:44 **Analyst:** blg						
Diquat	ND	2.0	ug/l	1	09/06/18 18:55	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05 **Prepared:** 08/27/18 07:53 **Analyst:** cam						
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 10:23	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 10:23	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 10:23	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 10:23	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 10:23	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 10:23	
Surrogate(s)						
2,3-Dibromopropionic acid	*123%*	*70-130*	*Conc: 12.3*		*08/28/18 10:23*	
Method: EPA 625 **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:01	

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Sample Results

(Continued)

Sample: SMBRP-12(405783-002) Sampled: 08/22/18 10:30 by Client

8H23090-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 10:01	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 10:01	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 10:01	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 10:01	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 10:01	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 10:01	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 10:01	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 10:01	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 10:01	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 10:01	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 10:01	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 10:01	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 10:01	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 10:01	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 10:01	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 10:01	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 10:01	
Anthracene	ND	1.0	ug/l	1	09/12/18 10:01	
Benzidine	ND	10	ug/l	1	09/12/18 10:01	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 10:01	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 10:01	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 10:01	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 10:01	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 10:01	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 10:01	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 10:01	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 10:01	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/12/18 10:01	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 10:01	
Chrysene	ND	1.0	ug/l	1	09/12/18 10:01	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 10:01	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 10:01	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 10:01	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 10:01	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 10:01	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 10:01	
Fluorene	ND	1.0	ug/l	1	09/12/18 10:01	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 10:01	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 10:01	

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Sample Results

(Continued)

Sample: SMBRP-12(405783-002) Sampled: 08/22/18 10:30 by Client

8H23090-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 10:01	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 10:01	
Isophorone	ND	1.0	ug/l	1	09/12/18 10:01	
Naphthalene	ND	1.0	ug/l	1	09/12/18 10:01	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 10:01	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 10:01	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 10:01	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 10:01	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 10:01	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 10:01	
Phenol	ND	1.0	ug/l	1	09/12/18 10:01	
Pyrene	ND	1.0	ug/l	1	09/12/18 10:01	
Surrogate(s)						
2,4,6-Tribromophenol	*70%*	*25-102*	*Conc: 34.9*		*09/12/18 10:01*	
2-Fluorobiphenyl	*63%*	*22-107*	*Conc: 15.7*		*09/12/18 10:01*	
2-Fluorophenol	*40%*	*3-74*	*Conc: 20.1*		*09/12/18 10:01*	
Nitrobenzene-d5	*62%*	*27-111*	*Conc: 15.6*		*09/12/18 10:01*	
Phenol-d5	*26%*	*0.1-53*	*Conc: 12.9*		*09/12/18 10:01*	
Terphenyl-d14	*89%*	*28-113*	*Conc: 22.3*		*09/12/18 10:01*	

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Sample Results

(Continued)

Sample: MCWP-MW09(405783-003) Sampled: 08/22/18 11:30 by Client

8H23090-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1396 **Instr:** GCMS09 **Prepared:** 08/23/18 11:36 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/28/18 14:08	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/28/18 12:58	M-05
Chlorite	ND	50	ug/l	5	08/28/18 12:58	M-05
Surrogate(s)						
Dichloroacetate	*106%*	*90-115*	*Conc: 529*		*08/28/18 12:58*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 22:22	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 22:22	
Method: EPA 508 **Batch ID:** W8H1618 **Instr:** GC07 **Prepared:** 08/28/18 08:09 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	09/05/18 00:31	
4,4´-DDE	ND	0.010	ug/l	1	09/05/18 00:31	
4,4´-DDT	ND	0.010	ug/l	1	09/05/18 00:31	
Aldrin	ND	0.010	ug/l	1	09/05/18 00:31	
alpha-BHC	ND	0.010	ug/l	1	09/05/18 00:31	
Aroclor 1016	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1221	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1232	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1242	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1248	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1254	ND	0.10	ug/l	1	09/05/18 00:31	
Aroclor 1260	ND	0.10	ug/l	1	09/05/18 00:31	
beta-BHC	ND	0.010	ug/l	1	09/05/18 00:31	
Chlordane (tech)	ND	0.10	ug/l	1	09/05/18 00:31	
Chlorothalonil	ND	0.050	ug/l	1	09/05/18 00:31	
delta-BHC	ND	0.010	ug/l	1	09/05/18 00:31	
Dieldrin	ND	0.010	ug/l	1	09/05/18 00:31	
Endosulfan I	ND	0.010	ug/l	1	09/05/18 00:31	
Endosulfan II	ND	0.010	ug/l	1	09/05/18 00:31	
Endosulfan sulfate	ND	0.010	ug/l	1	09/05/18 00:31	
Endrin	ND	0.010	ug/l	1	09/05/18 00:31	
Endrin aldehyde	ND	0.010	ug/l	1	09/05/18 00:31	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/05/18 00:31	
Heptachlor	ND	0.010	ug/l	1	09/05/18 00:31	
Heptachlor epoxide	ND	0.010	ug/l	1	09/05/18 00:31	
Hexachlorobenzene	ND	0.050	ug/l	1	09/05/18 00:31	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/05/18 00:31	
Methoxychlor	ND	0.010	ug/l	1	09/05/18 00:31	
PCBs, Total	ND	0.50	ug/l	1	09/05/18 00:31	
Propachlor	ND	0.050	ug/l	1	09/05/18 00:31	
Toxaphene	ND	0.50	ug/l	1	09/05/18 00:31	

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Sample Results

(Continued)

Sample: MCWP-MW09(405783-003) Sampled: 08/22/18 11:30 by Client

8H23090-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1618 **Instr:** GC07		**Prepared:** 08/28/18 08:09			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	09/05/18 00:31	
Surrogate(s)						
Decachlorobiphenyl	*91%*	*70-130*	*Conc: 0.0909*		*09/05/18 00:31*	
Tetrachloro-meta-xylene	*100%*	*70-130*	*Conc: 0.0998*		*09/05/18 00:31*	
Method: EPA 515.3 **Batch ID:** W8H1439 **Instr:** GC08		**Prepared:** 08/24/18 07:57			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/05/18 09:28	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/05/18 09:28	
2,4-D	ND	0.40	ug/l	1	09/05/18 09:28	
2,4-DB	ND	2.0	ug/l	1	09/05/18 09:28	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/05/18 09:28	
Acifluorfen	ND	0.40	ug/l	1	09/05/18 09:28	
Bentazon	ND	2.0	ug/l	1	09/05/18 09:28	
Dalapon	ND	0.40	ug/l	1	09/05/18 09:28	
DCPA	ND	0.10	ug/l	1	09/05/18 09:28	
Dicamba	ND	0.60	ug/l	1	09/05/18 09:28	
Dichloroprop	ND	0.30	ug/l	1	09/05/18 09:28	
Dinoseb	ND	0.40	ug/l	1	09/05/18 09:28	
Pentachlorophenol	ND	0.20	ug/l	1	09/05/18 09:28	
Picloram	ND	0.60	ug/l	1	09/05/18 09:28	
Surrogate(s)						
2,4-DCAA	*78%*	*70-130*	*Conc: 7.83*		*09/05/18 09:28*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 00:23	
Atrazine	ND	0.10	ug/l	1	09/06/18 00:23	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 00:23	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 00:23	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 00:23	
Bromacil	ND	0.50	ug/l	1	09/06/18 00:23	
Butachlor	ND	0.10	ug/l	1	09/06/18 00:23	
Captan	ND	1.0	ug/l	1	09/06/18 00:23	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 00:23	
Cyanazine	ND	0.10	ug/l	1	09/06/18 00:23	
Diazinon	ND	0.10	ug/l	1	09/06/18 00:23	
Dimethoate	ND	0.20	ug/l	1	09/06/18 00:23	
Diphenamid	ND	0.10	ug/l	1	09/06/18 00:23	
Disulfoton	ND	0.10	ug/l	1	09/06/18 00:23	
EPTC	ND	0.10	ug/l	1	09/06/18 00:23	
Metolachlor	ND	0.10	ug/l	1	09/06/18 00:23	
Metribuzin	ND	0.10	ug/l	1	09/06/18 00:23	
Molinate	ND	0.10	ug/l	1	09/06/18 00:23	
Prometon	ND	0.10	ug/l	1	09/06/18 00:23	

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Sample Results

(Continued)

Sample: MCWP-MW09(405783-003) Sampled: 08/22/18 11:30 by Client

8H23090-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16 **Prepared:** 08/27/18 08:31 **Analyst:** etn						
Prometryn	ND	0.10	ug/l	1	09/06/18 00:23	
Simazine	ND	0.10	ug/l	1	09/06/18 00:23	
Terbacil	ND	2.0	ug/l	1	09/06/18 00:23	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 00:23	
Trithion	ND	0.10	ug/l	1	09/06/18 00:23	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*110%*	*70-130*	*Conc: 5.52*		*09/06/18 00:23*	
Perylene-d12	*33%*	*50-120*	*Conc: 1.67*		*09/06/18 00:23*	*S-GC*
Triphenyl phosphate	*107%*	*70-130*	*Conc: 5.33*		*09/06/18 00:23*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10 **Prepared:** 08/28/18 14:39 **Analyst:** blg						
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 11:40	
Aldicarb	ND	2.0	ug/l	1	08/29/18 11:40	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 11:40	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 11:40	
Carbaryl	ND	2.0	ug/l	1	08/29/18 11:40	
Carbofuran	ND	2.0	ug/l	1	08/29/18 11:40	
Methiocarb	ND	2.0	ug/l	1	08/29/18 11:40	
Methomyl	ND	2.0	ug/l	1	08/29/18 11:40	
Oxamyl	ND	2.0	ug/l	1	08/29/18 11:40	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 11:40	
Method: EPA 547 **Batch ID:** W8I0072 **Instr:** LC10 **Prepared:** 09/04/18 15:27 **Analyst:** blg						
Glyphosate	ND	5.0	ug/l	1	09/05/18 14:59	
Method: EPA 548.1 **Batch ID:** W8H1517 **Instr:** GCMS06 **Prepared:** 08/27/18 15:37 **Analyst:** etn						
Endothall	ND	40	ug/l	1	08/30/18 13:53	
Method: EPA 549.2 **Batch ID:** W8H1717 **Instr:** LC11 **Prepared:** 08/29/18 08:44 **Analyst:** blg						
Diquat	ND	2.0	ug/l	1	09/06/18 19:04	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05 **Prepared:** 08/27/18 07:53 **Analyst:** cam						
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 10:51	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 10:51	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 10:51	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 10:51	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 10:51	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 10:51	
Surrogate(s)						
2,3-Dibromopropionic acid	*117%*	*70-130*	*Conc: 11.7*		*08/28/18 10:51*	
Method: EPA 625 **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/12/18 10:30	

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Sample Results

(Continued)

Sample: MCWP-MW09(405783-003) Sampled: 08/22/18 11:30 by Client

8H23090-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/12/18 10:30	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/12/18 10:30	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/12/18 10:30	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/12/18 10:30	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 10:30	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/12/18 10:30	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/12/18 10:30	
2-Chlorophenol	ND	1.0	ug/l	1	09/12/18 10:30	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/12/18 10:30	
2-Nitrophenol	ND	1.0	ug/l	1	09/12/18 10:30	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/12/18 10:30	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 10:30	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/12/18 10:30	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/12/18 10:30	
4-Nitrophenol	ND	2.0	ug/l	1	09/12/18 10:30	
Acenaphthene	ND	1.0	ug/l	1	09/12/18 10:30	
Acenaphthylene	ND	1.0	ug/l	1	09/12/18 10:30	
Anthracene	ND	1.0	ug/l	1	09/12/18 10:30	
Benzidine	ND	10	ug/l	1	09/12/18 10:30	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/12/18 10:30	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/12/18 10:30	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/12/18 10:30	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/12/18 10:30	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/12/18 10:30	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/12/18 10:30	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/12/18 10:30	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/12/18 10:30	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/12/18 10:30	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/12/18 10:30	
Chrysene	ND	1.0	ug/l	1	09/12/18 10:30	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/12/18 10:30	
Diethyl phthalate	ND	1.0	ug/l	1	09/12/18 10:30	
Dimethyl phthalate	ND	1.0	ug/l	1	09/12/18 10:30	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/12/18 10:30	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/12/18 10:30	
Fluoranthene	ND	1.0	ug/l	1	09/12/18 10:30	
Fluorene	ND	1.0	ug/l	1	09/12/18 10:30	
Hexachlorobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/12/18 10:30	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/12/18 10:30	

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Sample Results

(Continued)

Sample: MCWP-MW09(405783-003) Sampled: 08/22/18 11:30 by Client

8H23090-03 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1441 **Instr:** GCMS06 **Prepared:** 08/24/18 08:09 **Analyst:** etn						
Hexachloroethane	ND	1.0	ug/l	1	09/12/18 10:30	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/12/18 10:30	
Isophorone	ND	1.0	ug/l	1	09/12/18 10:30	
Naphthalene	ND	1.0	ug/l	1	09/12/18 10:30	
Nitrobenzene	ND	1.0	ug/l	1	09/12/18 10:30	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/12/18 10:30	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/12/18 10:30	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/12/18 10:30	
Pentachlorophenol	ND	1.0	ug/l	1	09/12/18 10:30	
Phenanthrene	ND	1.0	ug/l	1	09/12/18 10:30	
Phenol	ND	1.0	ug/l	1	09/12/18 10:30	
Pyrene	ND	1.0	ug/l	1	09/12/18 10:30	
Surrogate(s)						
2,4,6-Tribromophenol	*62%*	*25-102*	*Conc: 31.0*		*09/12/18 10:30*	
2-Fluorobiphenyl	*61%*	*22-107*	*Conc: 15.2*		*09/12/18 10:30*	
2-Fluorophenol	*40%*	*3-74*	*Conc: 20.1*		*09/12/18 10:30*	
Nitrobenzene-d5	*62%*	*27-111*	*Conc: 15.6*		*09/12/18 10:30*	
Phenol-d5	*25%*	*0.1-53*	*Conc: 12.5*		*09/12/18 10:30*	
Terphenyl-d14	*89%*	*28-113*	*Conc: 22.4*		*09/12/18 10:30*	

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Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1441 - EPA 625/L-L SF										
Blank (W8H1441-BLK1)				**Prepared: 08/24/18**	**Analyzed: 09/12/18**					
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	5.59	2.0	ug/l							B
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1441 - EPA 625/L-L SF (Continued)										
Blank (W8H1441-BLK1)				**Prepared: 08/24/18 Analyzed: 09/12/18**						
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*31.5*		*ug/l*	*50.0*		*63*	*25-102*			
2-Fluorobiphenyl	*15.8*		*ug/l*	*25.0*		*63*	*22-107*			
2-Fluorophenol	*21.8*		*ug/l*	*50.0*		*44*	*3-74*			
Nitrobenzene-d5	*16.0*		*ug/l*	*25.0*		*64*	*27-111*			
Phenol-d5	*13.8*		*ug/l*	*50.0*		*28*	*0.1-53*			
Terphenyl-d14	*22.9*		*ug/l*	*25.0*		*92*	*28-113*			
LCS (W8H1441-BS1)				**Prepared: 08/24/18 Analyzed: 09/12/18**						
1,2,4-Trichlorobenzene	16.4	1.0	ug/l	25.0		66	44-142			
1,2-Dichlorobenzene	15.7	1.0	ug/l	25.0		63	32-129			
1,3-Dichlorobenzene	15.3	1.0	ug/l	25.0		61	0.1-172			
1,4-Dichlorobenzene	15.4	1.0	ug/l	25.0		62	20-124			
2,4,6-Trichlorophenol	17.8	1.0	ug/l	25.0		71	37-144			
2,4-Dichlorophenol	17.8	1.0	ug/l	25.0		71	39-135			
2,4-Dimethylphenol	14.5	1.0	ug/l	25.0		58	32-119			
2,4-Dinitrophenol	28.8	5.0	ug/l	25.0		115	0.1-191			
2,4-Dinitrotoluene	22.3	1.0	ug/l	25.0		89	39-139			
2,6-Dinitrotoluene	18.2	1.0	ug/l	25.0		73	50-158			
2-Chloronaphthalene	17.7	1.0	ug/l	25.0		71	60-118			
2-Chlorophenol	15.6	1.0	ug/l	25.0		62	23-134			
2-Methyl-4,6-dinitrophenol	27.3	1.0	ug/l	25.0		109	0.1-181			
2-Nitrophenol	18.4	1.0	ug/l	25.0		73	29-182			
3,3'-Dichlorobenzidine	16.2	1.0	ug/l	25.0		65	0.1-262			
4-Bromophenyl phenyl ether	20.7	1.0	ug/l	25.0		83	53-127			
4-Chloro-3-methylphenol	17.1	1.0	ug/l	25.0		68	22-147			
4-Chlorophenyl phenyl ether	18.2	1.0	ug/l	25.0		73	25-158			
4-Nitrophenol	9.38	2.0	ug/l	25.0		38	0.1-132			
Acenaphthene	17.5	1.0	ug/l	25.0		70	47-145			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1441 - EPA 625/L-L SF (Continued)										
LCS (W8H1441-BS1)				**Prepared: 08/24/18**	**Analyzed: 09/12/18**					
Acenaphthylene	19.0	1.0	ug/l	25.0		76	33-145			
Anthracene	20.6	1.0	ug/l	25.0		82	27-133			
Benzo (a) anthracene	23.7	1.0	ug/l	25.0		95	33-143			
Benzo (a) pyrene	22.2	1.0	ug/l	25.0		89	17-163			
Benzo (b) fluoranthene	22.6	1.0	ug/l	25.0		90	24-159			
Benzo (g,h,i) perylene	22.3	1.0	ug/l	25.0		89	0.1-219			
Benzo (k) fluoranthene	22.9	1.0	ug/l	25.0		92	11-162			
Bis(2-chloroethoxy)methane	15.6	1.0	ug/l	25.0		62	33-184			
Bis(2-chloroethyl)ether	16.2	1.0	ug/l	25.0		65	12-158			
Bis(2-chloroisopropyl)ether	14.2	1.0	ug/l	25.0		57	36-166			
Bis(2-ethylhexyl)phthalate	26.5	2.0	ug/l	25.0		106	8-158			
Butyl benzyl phthalate	23.7	1.0	ug/l	25.0		95	0.1-152			
Chrysene	22.6	1.0	ug/l	25.0		90	17-168			
Dibenzo (a,h) anthracene	22.8	1.0	ug/l	25.0		91	0.1-227			
Diethyl phthalate	19.7	1.0	ug/l	25.0		79	0.1-114			
Dimethyl phthalate	18.1	1.0	ug/l	25.0		72	0.1-112			
Di-n-butyl phthalate	24.8	1.0	ug/l	25.0		99	1-118			
Di-n-octyl phthalate	22.6	1.0	ug/l	25.0		91	4-146			
Fluoranthene	23.6	1.0	ug/l	25.0		94	26-137			
Fluorene	18.3	1.0	ug/l	25.0		73	59-121			
Hexachlorobenzene	19.8	1.0	ug/l	25.0		79	0.1-152			
Hexachlorobutadiene	16.3	1.0	ug/l	25.0		65	24-116			
Hexachlorocyclopentadiene	6.74	5.0	ug/l	25.0		27	0.1-81			
Hexachloroethane	16.1	1.0	ug/l	25.0		64	40-113			
Indeno (1,2,3-cd) pyrene	23.9	1.0	ug/l	25.0		95	0.1-171			
Isophorone	14.1	1.0	ug/l	25.0		56	21-196			
Naphthalene	16.6	1.0	ug/l	25.0		66	21-133			
Nitrobenzene	17.2	1.0	ug/l	25.0		69	35-180			
N-Nitrosodimethylamine	10.3	1.0	ug/l	25.0		41	20-83			
N-Nitrosodi-n-propylamine	16.3	1.0	ug/l	25.0		65	0.1-230			
N-Nitrosodiphenylamine	15.9	1.0	ug/l	25.0		64	42-90			
Pentachlorophenol	17.5	1.0	ug/l	25.0		70	14-176			
Phenanthrene	20.9	1.0	ug/l	25.0		84	54-120			
Phenol	6.50	1.0	ug/l	25.0		26	5-112			
Pyrene	23.4	1.0	ug/l	25.0		94	52-115			
Surrogate(s)										
2,4,6-Tribromophenol	*39.6*		*ug/l*	*50.0*		*79*	*25-102*			
2-Fluorobiphenyl	*17.3*		*ug/l*	*25.0*		*69*	*22-107*			
2-Fluorophenol	*21.6*		*ug/l*	*50.0*		*43*	*3-74*			
Nitrobenzene-d5	*16.4*		*ug/l*	*25.0*		*66*	*27-111*			
Phenol-d5	*13.7*		*ug/l*	*50.0*		*27*	*0.1-53*			
Terphenyl-d14	*23.8*		*ug/l*	*25.0*		*95*	*28-113*			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1441 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1441-BSD1)				**Prepared: 08/24/18**	**Analyzed: 09/12/18**					
1,2,4-Trichlorobenzene	15.4	1.0	ug/l	25.0		62	44-142	6	30	
1,2-Dichlorobenzene	15.1	1.0	ug/l	25.0		60	32-129	4	30	
1,3-Dichlorobenzene	14.5	1.0	ug/l	25.0		58	0.1-172	5	30	
1,4-Dichlorobenzene	14.9	1.0	ug/l	25.0		59	20-124	3	30	
2,4,6-Trichlorophenol	15.6	1.0	ug/l	25.0		62	37-144	13	30	
2,4-Dichlorophenol	17.0	1.0	ug/l	25.0		68	39-135	5	30	
2,4-Dimethylphenol	13.1	1.0	ug/l	25.0		52	32-119	10	30	
2,4-Dinitrophenol	27.6	5.0	ug/l	25.0		110	0.1-191	4	30	
2,4-Dinitrotoluene	20.5	1.0	ug/l	25.0		82	39-139	9	30	
2,6-Dinitrotoluene	16.3	1.0	ug/l	25.0		65	50-158	11	30	
2-Chloronaphthalene	15.8	1.0	ug/l	25.0		63	60-118	11	30	
2-Chlorophenol	14.9	1.0	ug/l	25.0		60	23-134	4	30	
2-Methyl-4,6-dinitrophenol	25.3	1.0	ug/l	25.0		101	0.1-181	7	30	
2-Nitrophenol	17.5	1.0	ug/l	25.0		70	29-182	5	30	
3,3'-Dichlorobenzidine	14.6	1.0	ug/l	25.0		58	0.1-262	11	30	
4-Bromophenyl phenyl ether	19.6	1.0	ug/l	25.0		78	53-127	5	30	
4-Chloro-3-methylphenol	15.2	1.0	ug/l	25.0		61	22-147	12	30	
4-Chlorophenyl phenyl ether	17.4	1.0	ug/l	25.0		70	25-158	5	30	
4-Nitrophenol	8.74	2.0	ug/l	25.0		35	0.1-132	7	30	
Acenaphthene	16.3	1.0	ug/l	25.0		65	47-145	7	30	
Acenaphthylene	16.6	1.0	ug/l	25.0		67	33-145	13	30	
Anthracene	19.3	1.0	ug/l	25.0		77	27-133	6	30	
Benzo (a) anthracene	20.9	1.0	ug/l	25.0		84	33-143	12	30	
Benzo (a) pyrene	20.7	1.0	ug/l	25.0		83	17-163	7	30	
Benzo (b) fluoranthene	20.9	1.0	ug/l	25.0		84	24-159	8	30	
Benzo (g,h,i) perylene	21.3	1.0	ug/l	25.0		85	0.1-219	5	30	
Benzo (k) fluoranthene	21.5	1.0	ug/l	25.0		86	11-162	6	30	
Bis(2-chloroethoxy)methane	14.8	1.0	ug/l	25.0		59	33-184	5	30	
Bis(2-chloroethyl)ether	15.7	1.0	ug/l	25.0		63	12-158	3	30	
Bis(2-chloroisopropyl)ether	13.4	1.0	ug/l	25.0		53	36-166	6	30	
Bis(2-ethylhexyl)phthalate	23.2	2.0	ug/l	25.0		93	8-158	13	30	
Butyl benzyl phthalate	21.3	1.0	ug/l	25.0		85	0.1-152	11	30	
Chrysene	20.9	1.0	ug/l	25.0		84	17-168	8	30	
Dibenzo (a,h) anthracene	21.3	1.0	ug/l	25.0		85	0.1-227	7	30	
Diethyl phthalate	18.8	1.0	ug/l	25.0		75	0.1-114	5	30	
Dimethyl phthalate	16.2	1.0	ug/l	25.0		65	0.1-112	11	30	
Di-n-butyl phthalate	22.3	1.0	ug/l	25.0		89	1-118	11	30	
Di-n-octyl phthalate	20.6	1.0	ug/l	25.0		83	4-146	9	30	
Fluoranthene	21.2	1.0	ug/l	25.0		85	26-137	10	30	
Fluorene	17.4	1.0	ug/l	25.0		70	59-121	5	30	
Hexachlorobenzene	18.5	1.0	ug/l	25.0		74	0.1-152	7	30	
Hexachlorobutadiene	14.8	1.0	ug/l	25.0		59	24-116	10	30	

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1441 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1441-BSD1)				**Prepared: 08/24/18**	**Analyzed: 09/12/18**					
Hexachlorocyclopentadiene	6.79	5.0	ug/l	25.0		27	0.1-81	0.6	30	
Hexachloroethane	15.5	1.0	ug/l	25.0		62	40-113	4	30	
Indeno (1,2,3-cd) pyrene	23.3	1.0	ug/l	25.0		93	0.1-171	2	30	
Isophorone	13.1	1.0	ug/l	25.0		52	21-196	7	30	
Naphthalene	14.6	1.0	ug/l	25.0		58	21-133	13	30	
Nitrobenzene	16.4	1.0	ug/l	25.0		66	35-180	5	30	
N-Nitrosodimethylamine	9.68	1.0	ug/l	25.0		39	20-83	6	30	
N-Nitrosodi-n-propylamine	15.5	1.0	ug/l	25.0		62	0.1-230	5	30	
N-Nitrosodiphenylamine	14.9	1.0	ug/l	25.0		60	42-90	7	30	
Pentachlorophenol	16.5	1.0	ug/l	25.0		66	14-176	6	30	
Phenanthrene	19.4	1.0	ug/l	25.0		77	54-120	8	30	
Phenol	6.26	1.0	ug/l	25.0		25	5-112	4	30	
Pyrene	21.4	1.0	ug/l	25.0		86	52-115	9	30	
Surrogate(s)										
2,4,6-Tribromophenol	*36.5*		*ug/l*	*50.0*		*73*	*25-102*			
2-Fluorobiphenyl	*15.2*		*ug/l*	*25.0*		*61*	*22-107*			
2-Fluorophenol	*20.4*		*ug/l*	*50.0*		*41*	*3-74*			
Nitrobenzene-d5	*15.4*		*ug/l*	*25.0*		*62*	*27-111*			
Phenol-d5	*13.0*		*ug/l*	*50.0*		*26*	*0.1-53*			
Terphenyl-d14	*21.6*		*ug/l*	*25.0*		*86*	*28-113*			

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1526 - EPA 300.1/Dir Inj										
Blank (W8H1526-BLK1)				**Prepared & Analyzed: 08/27/18**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate		*497*	*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate		*497*	*ug/l*	*500*		*99*	*90-115*			
LCS (W8H1526-BS1)				**Prepared & Analyzed: 08/27/18**						
Bromate	93.1	5.0	ug/l	100		93	85-115			
Chlorite	90.2	10	ug/l	100		90	85-115			
Surrogate(s)										
Dichloroacetate		*509*	*ug/l*	*500*		*102*	*90-115*			
Dichloroacetate		*509*	*ug/l*	*500*		*102*	*90-115*			
Matrix Spike (W8H1526-MS1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	80.6	5.0	ug/l	100	*ND*	81	64-133			
Chlorite	85.4	10	ug/l	100	*ND*	85	78-129			
Surrogate(s)										
Dichloroacetate		*497*	*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate		*497*	*ug/l*	*500*		*99*	*90-115*			
Matrix Spike (W8H1526-MS2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	253	25	ug/l	500	*ND*	51	64-133			MS-05
Chlorite	440	50	ug/l	500	*ND*	88	78-129			
Surrogate(s)										
Dichloroacetate		*532*	*ug/l*	*500*		*106*	*90-115*			
Dichloroacetate		*532*	*ug/l*	*500*		*106*	*90-115*			
Matrix Spike Dup (W8H1526-MSD1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	82.7	5.0	ug/l	100	*ND*	83	64-133	3	20	
Chlorite	84.9	10	ug/l	100	*ND*	85	78-129	0.6	20	
Surrogate(s)										
Dichloroacetate		*496*	*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate		*496*	*ug/l*	*500*		*99*	*90-115*			
Matrix Spike Dup (W8H1526-MSD2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	251	25	ug/l	500	*ND*	50	64-133	1	20	MS-05
Chlorite	432	50	ug/l	500	*ND*	86	78-129	2	20	
Surrogate(s)										
Dichloroacetate		*514*	*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate		*514*	*ug/l*	*500*		*103*	*90-115*			

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection										
Blank (W8H1676-BLK1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
LCS (W8H1676-BS1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.06	2.0	ug/l	10.0		91	80-120			
Aldicarb	9.99	2.0	ug/l	10.0		100	80-120			
Aldicarb sulfone	10.1	2.0	ug/l	10.0		101	80-120			
Aldicarb sulfoxide	9.91	2.0	ug/l	10.0		99	80-120			
Carbaryl	10.7	2.0	ug/l	10.0		107	80-120			
Carbofuran	9.82	2.0	ug/l	10.0		98	80-120			
Methiocarb	9.76	2.0	ug/l	10.0		98	80-120			
Methomyl	11.0	2.0	ug/l	10.0		110	80-120			
Oxamyl	10.9	2.0	ug/l	10.0		109	80-120			
Propoxur (Baygon)	9.73	2.0	ug/l	10.0		97	80-120			
Matrix Spike (W8H1676-MS1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.88	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb	9.90	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb sulfone	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Aldicarb sulfoxide	10.1	2.0	ug/l	10.0	*ND*	101	65-135			
Carbaryl	10.6	2.0	ug/l	10.0	*ND*	106	65-135			
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Methiocarb	10.3	2.0	ug/l	10.0	*ND*	103	65-135			
Methomyl	9.15	2.0	ug/l	10.0	*ND*	91	65-135			
Oxamyl	11.7	2.0	ug/l	10.0	*ND*	117	65-135			
Propoxur (Baygon)	9.62	2.0	ug/l	10.0	*ND*	96	65-135			
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.37	2.0	ug/l	10.0	*ND*	94	65-135	5	30	
Aldicarb	9.64	2.0	ug/l	10.0	*ND*	96	65-135	3	30	
Aldicarb sulfone	10.1	2.0	ug/l	10.0	*ND*	101	65-135	3	30	
Aldicarb sulfoxide	9.83	2.0	ug/l	10.0	*ND*	98	65-135	2	30	
Carbaryl	10.4	2.0	ug/l	10.0	*ND*	104	65-135	2	30	
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135	0.5	30	
Methiocarb	10.6	2.0	ug/l	10.0	*ND*	106	65-135	2	30	
Methomyl	10.7	2.0	ug/l	10.0	*ND*	107	65-135	16	30	
Oxamyl	10.2	2.0	ug/l	10.0	*ND*	102	65-135	14	30	

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection (Continued)										
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
Propoxur (Baygon)	10.3	2.0	ug/l	10.0	*ND*	103	65-135	7	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz.										
Blank (W8H1439-BLK1)				**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*11.7*		*ug/l*	*10.0*		*117*	*70-130*			
LCS (W8H1439-BS1)				**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	5.08	0.20	ug/l	4.00		127	70-130			
2,4,5-TP (Silvex)	5.00	0.20	ug/l	4.00		125	70-130			
2,4-D	8.94	0.40	ug/l	8.00		112	70-130			
2,4-DB	20.2	2.0	ug/l	16.0		126	70-130			
3,5-Dichlorobenzoic acid	9.77	1.0	ug/l	8.00		122	70-130			
Acifluorfen	4.42	0.40	ug/l	4.00		110	70-130			
Bentazon	17.4	2.0	ug/l	16.0		108	70-130			
Dalapon	10.2	0.40	ug/l	8.00		127	70-130			
DCPA	4.12	0.10	ug/l	4.00		103	70-130			
Dicamba	9.98	0.60	ug/l	8.00		125	70-130			
Dichloroprop	9.43	0.30	ug/l	8.00		118	70-130			
Dinoseb	5.01	0.40	ug/l	4.00		125	70-130			
Pentachlorophenol	3.98	0.20	ug/l	4.00		100	70-130			
Picloram	4.78	0.60	ug/l	4.00		120	70-130			
Surrogate(s)										
2,4-DCAA	*12.0*		*ug/l*	*10.0*		*120*	*70-130*			
Matrix Spike (W8H1439-MS1)	**Source: 8H21038-01**			**Prepared: 08/24/18 Analyzed: 09/04/18**						
2,4,5-T	4.56	0.20	ug/l	4.00	*ND*	114	70-130			
2,4,5-TP (Silvex)	4.56	0.20	ug/l	4.00	*ND*	114	70-130			
2,4-D	9.94	0.40	ug/l	8.00	*ND*	124	70-130			
2,4-DB	19.2	2.0	ug/l	16.0	*ND*	120	70-130			
3,5-Dichlorobenzoic acid	10.3	1.0	ug/l	8.00	*ND*	129	70-130			
Acifluorfen	4.49	0.40	ug/l	4.00	*ND*	112	70-130			
Bentazon	17.7	2.0	ug/l	16.0	*ND*	111	70-130			
Dalapon	9.61	0.40	ug/l	8.00	*ND*	120	70-130			
DCPA	4.48	0.10	ug/l	4.00	*ND*	112	70-130			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike (W8H1439-MS1)	**Source: 8H21038-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
Dicamba	9.96	0.60	ug/l	8.00	*ND*	124	70-130			
Dichloroprop	9.57	0.30	ug/l	8.00	*ND*	120	70-130			
Dinoseb	4.64	0.40	ug/l	4.00	*ND*	116	70-130			
Pentachlorophenol	3.99	0.20	ug/l	4.00	*ND*	100	70-130			
Picloram	4.88	0.60	ug/l	4.00	*ND*	122	70-130			
Surrogate(s)										
2,4-DCAA	*12.6*		*ug/l*	*10.0*		*126*	*70-130*			
Matrix Spike (W8H1439-MS2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.48	0.20	ug/l	4.00	*ND*	112	70-130			
2,4,5-TP (Silvex)	4.48	0.20	ug/l	4.00	*ND*	112	70-130			
2,4-D	9.15	0.40	ug/l	8.00	*ND*	114	70-130			
2,4-DB	17.9	2.0	ug/l	16.0	*ND*	112	70-130			
3,5-Dichlorobenzoic acid	9.26	1.0	ug/l	8.00	*ND*	116	70-130			
Acifluorfen	4.33	0.40	ug/l	4.00	*ND*	108	70-130			
Bentazon	16.7	2.0	ug/l	16.0	*ND*	104	70-130			
Dalapon	9.87	0.40	ug/l	8.00	*ND*	123	70-130			
DCPA	4.43	0.10	ug/l	4.00	*ND*	111	70-130			
Dicamba	6.63	0.60	ug/l	8.00	*ND*	83	70-130			
Dichloroprop	9.20	0.30	ug/l	8.00	*ND*	115	70-130			
Dinoseb	4.46	0.40	ug/l	4.00	*ND*	111	70-130			
Pentachlorophenol	3.84	0.20	ug/l	4.00	*ND*	96	70-130			
Picloram	4.62	0.60	ug/l	4.00	*ND*	116	70-130			
Surrogate(s)										
2,4-DCAA	*11.8*		*ug/l*	*10.0*		*118*	*70-130*			
Matrix Spike Dup (W8H1439-MSD1)	**Source: 8H21038-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.39	0.20	ug/l	4.00	*ND*	110	70-130	4	30	
2,4,5-TP (Silvex)	4.41	0.20	ug/l	4.00	*ND*	110	70-130	3	30	
2,4-D	8.82	0.40	ug/l	8.00	*ND*	110	70-130	12	30	
2,4-DB	17.7	2.0	ug/l	16.0	*ND*	110	70-130	8	30	
3,5-Dichlorobenzoic acid	8.93	1.0	ug/l	8.00	*ND*	112	70-130	14	30	
Acifluorfen	4.50	0.40	ug/l	4.00	*ND*	113	70-130	0.2	30	
Bentazon	16.3	2.0	ug/l	16.0	*ND*	102	70-130	8	30	
Dalapon	7.11	0.40	ug/l	8.00	*ND*	89	70-130	30	30	
DCPA	4.46	0.10	ug/l	4.00	*ND*	112	70-130	0.4	30	
Dicamba	6.78	0.60	ug/l	8.00	*ND*	85	70-130	38	30	MS-05
Dichloroprop	8.77	0.30	ug/l	8.00	*ND*	110	70-130	9	30	
Dinoseb	4.47	0.40	ug/l	4.00	*ND*	112	70-130	4	30	
Pentachlorophenol	3.70	0.20	ug/l	4.00	*ND*	93	70-130	7	30	
Picloram	4.56	0.60	ug/l	4.00	*ND*	114	70-130	7	30	
Surrogate(s)										
2,4-DCAA	*11.7*		*ug/l*	*10.0*		*117*	*70-130*			
Matrix Spike Dup (W8H1439-MSD2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-T	4.43	0.20	ug/l	4.00	*ND*	111	70-130	1	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1439 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike Dup (W8H1439-MSD2)	**Source: 8H22006-01**			**Prepared: 08/24/18**	**Analyzed: 09/04/18**					
2,4,5-TP (Silvex)	4.46	0.20	ug/l	4.00	*ND*	112	70-130	0.3	30	
2,4-D	8.49	0.40	ug/l	8.00	*ND*	106	70-130	7	30	
2,4-DB	17.1	2.0	ug/l	16.0	*ND*	107	70-130	5	30	
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	*ND*	110	70-130	5	30	
Acifluorfen	4.36	0.40	ug/l	4.00	*ND*	109	70-130	0.9	30	
Bentazon	16.3	2.0	ug/l	16.0	*ND*	102	70-130	2	30	
Dalapon	9.11	0.40	ug/l	8.00	*ND*	114	70-130	8	30	
DCPA	4.46	0.10	ug/l	4.00	*ND*	111	70-130	0.7	30	
Dicamba	6.60	0.60	ug/l	8.00	*ND*	83	70-130	0.4	30	
Dichloroprop	8.55	0.30	ug/l	8.00	*ND*	107	70-130	7	30	
Dinoseb	4.41	0.40	ug/l	4.00	*ND*	110	70-130	1	30	
Pentachlorophenol	3.98	0.20	ug/l	4.00	*ND*	100	70-130	4	30	
Picloram	4.52	0.60	ug/l	4.00	*ND*	113	70-130	2	30	
Surrogate(s)										
2,4-DCAA	*11.2*		*ug/l*	*10.0*		*112*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF										
Blank (W8H1618-BLK1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl	*0.107*		*ug/l*	*0.100*		*107*	*70-130*			
Tetrachloro-meta-xylene	*0.0862*		*ug/l*	*0.100*		*86*	*70-130*			
Blank (W8H1618-BLK2)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
4,4´-DDD	ND	0.010	ug/l							QC-2
4,4´-DDE	ND	0.010	ug/l							QC-2
4,4´-DDT	ND	0.010	ug/l							QC-2
Aldrin	ND	0.010	ug/l							QC-2
alpha-BHC	ND	0.010	ug/l							QC-2
Aroclor 1016	ND	0.10	ug/l							QC-2
Aroclor 1221	ND	0.10	ug/l							QC-2

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
Blank (W8H1618-BLK2)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
Aroclor 1232	ND	0.10	ug/l							QC-2
Aroclor 1242	ND	0.10	ug/l							QC-2
Aroclor 1248	ND	0.10	ug/l							QC-2
Aroclor 1254	ND	0.10	ug/l							QC-2
Aroclor 1260	ND	0.10	ug/l							QC-2
beta-BHC	ND	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.10	ug/l							QC-2
Chlorothalonil	ND	0.050	ug/l							QC-2
delta-BHC	ND	0.010	ug/l							QC-2
Dieldrin	ND	0.010	ug/l							QC-2
Endosulfan I	ND	0.010	ug/l							QC-2
Endosulfan II	ND	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.010	ug/l							QC-2
Endrin	ND	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.010	ug/l							QC-2
Heptachlor	ND	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.050	ug/l							QC-2
Methoxychlor	ND	0.010	ug/l							QC-2
PCBs, Total	ND	0.50	ug/l							QC-2
Propachlor	ND	0.050	ug/l							QC-2
Toxaphene	ND	0.50	ug/l							QC-2
Trifluralin	ND	0.010	ug/l							QC-2
Surrogate(s)										
Decachlorobiphenyl	*0.119*		*ug/l*	*0.100*		*119*	*70-130*			*QC-2*
Tetrachloro-meta-xylene	*0.0893*		*ug/l*	*0.100*		*89*	*70-130*			*QC-2*
LCS (W8H1618-BS1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	0.0939	0.010	ug/l	0.100		94	55-142			
4,4´-DDE	0.0884	0.010	ug/l	0.100		88	49-129			
4,4´-DDT	0.0960	0.010	ug/l	0.100		96	54-160			
Aldrin	0.0816	0.010	ug/l	0.100		82	29-115			
alpha-BHC	0.0825	0.010	ug/l	0.100		83	59-131			
beta-BHC	0.0987	0.010	ug/l	0.100		99	63-136			
delta-BHC	0.0982	0.010	ug/l	0.100		98	59-137			
Dieldrin	0.0925	0.010	ug/l	0.100		93	59-135			
Endosulfan I	0.0932	0.010	ug/l	0.100		93	28-138			
Endosulfan II	0.0901	0.010	ug/l	0.100		90	53-133			
Endosulfan sulfate	0.110	0.010	ug/l	0.100		110	58-155			
Endrin	0.0874	0.010	ug/l	0.100		87	57-148			
Endrin aldehyde	0.0778	0.010	ug/l	0.100		78	45-139			
gamma-BHC (Lindane)	0.0840	0.010	ug/l	0.100		84	59-129			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
LCS (W8H1618-BS1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Heptachlor	0.0821	0.010	ug/l	0.100		82	42-136			
Heptachlor epoxide	0.0959	0.010	ug/l	0.100		96	59-134			
Methoxychlor	0.0970	0.010	ug/l	0.100		97	56-167			
Surrogate(s)										
Decachlorobiphenyl		*0.106*	*ug/l*	*0.100*		*106*	*70-130*			
Tetrachloro-meta-xylene		*0.0940*	*ug/l*	*0.100*		*94*	*70-130*			
LCS (W8H1618-BS2)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aroclor 1016	1.08	0.10	ug/l	1.00		108	49-152			
Aroclor 1260	2.45	0.10	ug/l	1.00		245	52-146			Q-08
Surrogate(s)										
Decachlorobiphenyl		*0.126*	*ug/l*	*0.100*		*126*	*70-130*			
Tetrachloro-meta-xylene		*0.0960*	*ug/l*	*0.100*		*96*	*70-130*			
LCS (W8H1618-BS3)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
4,4´-DDD	0.0991	0.010	ug/l	0.100		99	55-142			QC-2
4,4´-DDE	0.0943	0.010	ug/l	0.100		94	49-129			QC-2
4,4´-DDT	0.107	0.010	ug/l	0.100		107	54-160			QC-2
Aldrin	0.0843	0.010	ug/l	0.100		84	29-115			QC-2
alpha-BHC	0.0858	0.010	ug/l	0.100		86	59-131			QC-2
beta-BHC	0.0973	0.010	ug/l	0.100		97	63-136			QC-2
delta-BHC	0.105	0.010	ug/l	0.100		105	59-137			QC-2
Dieldrin	0.0994	0.010	ug/l	0.100		99	59-135			QC-2
Endosulfan I	0.0982	0.010	ug/l	0.100		98	28-138			QC-2
Endosulfan II	0.0964	0.010	ug/l	0.100		96	53-133			QC-2
Endosulfan sulfate	0.117	0.010	ug/l	0.100		117	58-155			QC-2
Endrin	0.101	0.010	ug/l	0.100		101	57-148			QC-2
Endrin aldehyde	0.0763	0.010	ug/l	0.100		76	45-139			QC-2
gamma-BHC (Lindane)	0.0869	0.010	ug/l	0.100		87	59-129			QC-2
Heptachlor	0.0847	0.010	ug/l	0.100		85	42-136			QC-2
Heptachlor epoxide	0.0998	0.010	ug/l	0.100		100	59-134			QC-2
Methoxychlor	0.110	0.010	ug/l	0.100		110	56-167			QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.129*	*ug/l*	*0.100*		*129*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0951*	*ug/l*	*0.100*		*95*	*70-130*			*QC-2*
LCS Dup (W8H1618-BSD1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	0.0942	0.010	ug/l	0.100		94	55-142	0.4	25	
4,4´-DDE	0.0907	0.010	ug/l	0.100		91	49-129	3	25	
4,4´-DDT	0.0962	0.010	ug/l	0.100		96	54-160	0.2	25	
Aldrin	0.0809	0.010	ug/l	0.100		81	29-115	0.9	25	
alpha-BHC	0.0859	0.010	ug/l	0.100		86	59-131	4	25	
beta-BHC	0.0989	0.010	ug/l	0.100		99	63-136	0.2	25	
delta-BHC	0.0982	0.010	ug/l	0.100		98	59-137	0.02	25	
Dieldrin	0.0967	0.010	ug/l	0.100		97	59-135	4	25	
Endosulfan I	0.0938	0.010	ug/l	0.100		94	28-138	0.6	25	

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
LCS Dup (W8H1618-BSD1)				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Endosulfan II	0.0918	0.010	ug/l	0.100		92	53-133	2	25	
Endosulfan sulfate	0.105	0.010	ug/l	0.100		105	58-155	5	25	
Endrin	0.0878	0.010	ug/l	0.100		88	57-148	0.5	25	
Endrin aldehyde	0.0831	0.010	ug/l	0.100		83	45-139	7	25	
gamma-BHC (Lindane)	0.0854	0.010	ug/l	0.100		85	59-129	2	25	
Heptachlor	0.0851	0.010	ug/l	0.100		85	42-136	4	25	
Heptachlor epoxide	0.0989	0.010	ug/l	0.100		99	59-134	3	25	
Methoxychlor	0.0941	0.010	ug/l	0.100		94	56-167	3	25	
Surrogate(s)										
Decachlorobiphenyl		*0.100*	*ug/l*	*0.100*		*100*	*70-130*			
Tetrachloro-meta-xylene		*0.0918*	*ug/l*	*0.100*		*92*	*70-130*			
LCS Dup (W8H1618-BSD2)				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Aroclor 1016	1.12	0.10	ug/l	1.00		112	49-152	3	25	
Aroclor 1260	2.59	0.10	ug/l	1.00		259	52-146	6	25	Q-08
Surrogate(s)										
Decachlorobiphenyl		*0.0945*	*ug/l*	*0.100*		*94*	*70-130*			
Tetrachloro-meta-xylene		*0.0948*	*ug/l*	*0.100*		*95*	*70-130*			
LCS Dup (W8H1618-BSD3)				**Prepared: 08/28/18**	**Analyzed: 09/07/18**					
4,4´-DDD	0.110	0.010	ug/l	0.100		110	55-142	10	25	QC-2
4,4´-DDE	0.102	0.010	ug/l	0.100		102	49-129	8	25	QC-2
4,4´-DDT	0.116	0.010	ug/l	0.100		116	54-160	7	25	QC-2
Aldrin	0.0854	0.010	ug/l	0.100		85	29-115	1	25	QC-2
alpha-BHC	0.0955	0.010	ug/l	0.100		96	59-131	11	25	QC-2
beta-BHC	0.106	0.010	ug/l	0.100		106	63-136	8	25	QC-2
delta-BHC	0.113	0.010	ug/l	0.100		113	59-137	7	25	QC-2
Dieldrin	0.108	0.010	ug/l	0.100		108	59-135	8	25	QC-2
Endosulfan I	0.105	0.010	ug/l	0.100		105	28-138	7	25	QC-2
Endosulfan II	0.104	0.010	ug/l	0.100		104	53-133	8	25	QC-2
Endosulfan sulfate	0.116	0.010	ug/l	0.100		116	58-155	1	25	QC-2
Endrin	0.111	0.010	ug/l	0.100		111	57-148	9	25	QC-2
Endrin aldehyde	0.0895	0.010	ug/l	0.100		89	45-139	16	25	QC-2
gamma-BHC (Lindane)	0.0947	0.010	ug/l	0.100		95	59-129	9	25	QC-2
Heptachlor	0.0953	0.010	ug/l	0.100		95	42-136	12	25	QC-2
Heptachlor epoxide	0.108	0.010	ug/l	0.100		108	59-134	8	25	QC-2
Methoxychlor	0.118	0.010	ug/l	0.100		118	56-167	8	25	QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.129*	*ug/l*	*0.100*		*129*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0976*	*ug/l*	*0.100*		*98*	*70-130*			*QC-2*

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Quality Control Results

(Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1717 - EPA 549.2/SPE										
Blank (W8H1717-BLK1)				**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	ND	2.0	ug/l							
LCS (W8H1717-BS1)				**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	17.7	2.0	ug/l	20.0		89	70-130			
Matrix Spike (W8H1717-MS1)	**Source: 8H23090-01**			**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	2.85	2.0	ug/l	20.0	*ND*	14	46-122			MS-05
Matrix Spike Dup (W8H1717-MSD1)	**Source: 8H23090-01**			**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	0.412	2.0	ug/l	20.0	*ND*	2	46-122	150	30	MS-05

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1517 - EPA 548.1/SPE										
Blank (W8H1517-BLK1)				**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	ND	40	ug/l							
LCS (W8H1517-BS1)				**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	90.4	40	ug/l	100		90	31-117			
Matrix Spike (W8H1517-MS1)	**Source: 8H23090-01**			**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	9.36	80	ug/l	200	*ND*	5	0.1-109			
Matrix Spike Dup (W8H1517-MSD1)	**Source: 8H23090-01**			**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	8.38	80	ug/l	200	*ND*	4	0.1-109	11	30	

Fumigants by EPA Method 504.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1645 - EPA 504.1/Micro Ext.										
Blank (W8H1645-BLK1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W8H1645-BS1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.105	0.010	ug/l	0.100		105	70-130			
1,2-Dibromoethane (EDB)	0.103	0.020	ug/l	0.100		103	70-130			
LCS (W8H1645-BS2)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0807	0.010	ug/l	0.100		81	70-130			
1,2-Dibromoethane (EDB)	0.0803	0.020	ug/l	0.100		80	70-130			
LCS (W8H1645-BS3)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0171	0.010	ug/l	0.0200		85	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.020	ug/l	0.0200		95	70-130			
Matrix Spike (W8H1645-MS1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.142	0.010	ug/l	0.100	*0.0228*	119	65-135			
1,2-Dibromoethane (EDB)	0.0745	0.020	ug/l	0.100	*ND*	75	65-135			
Matrix Spike Dup (W8H1645-MSD1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.140	0.010	ug/l	0.100	*0.0228*	117	65-135	2	30	
1,2-Dibromoethane (EDB)	0.0971	0.020	ug/l	0.100	*ND*	97	65-135	26	30	

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Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0072 - Direct Injection										
Blank (W8I0072-BLK1)				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Glyphosate	ND	5.0	ug/l							
LCS (W8I0072-BS1)				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Glyphosate	21.3	5.0	ug/l	25.0		85	70-130			
Matrix Spike (W8I0072-MS1)	**Source: 8H23090-01**			**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Glyphosate	23.5	5.0	ug/l	25.0	*ND*	94	41-149			
Matrix Spike Dup (W8I0072-MSD1)	**Source: 8H23090-01**			**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Glyphosate	23.9	5.0	ug/l	25.0	*ND*	96	41-149	2	30	

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz										
Blank (W8H1508-BLK1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2,3-Dibromopropionic acid		*9.28*	*ug/l*	*10.0*		*93*	*70-130*			
LCS (W8H1508-BS1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	9.47	1.0	ug/l	10.0		95	70-130			
Dichloroacetic acid (dcaa)	12.4	1.0	ug/l	10.0		124	70-130			
Monobromoacetic acid (mbaa)	10.5	1.0	ug/l	10.0		105	70-130			
Monochloroacetic acid (mcaa)	9.69	2.0	ug/l	10.0		97	70-130			
Trichloroacetic acid (tcaa)	9.97	1.0	ug/l	10.0		100	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*10.2*	*ug/l*	*10.0*		*102*	*70-130*			
MRL Check (W8H1508-MRL1)				**Prepared: 08/27/18**	**Analyzed: 08/24/18**					
Dibromoacetic acid (dbaa)	8.93	1.0	ug/l	10.0		89	70-130			
Dichloroacetic acid (dcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Monobromoacetic acid (mbaa)	9.94	1.0	ug/l	10.0		99	70-130			
Monochloroacetic acid (mcaa)	9.27	2.0	ug/l	10.0		93	70-130			
Trichloroacetic acid (tcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*9.69*	*ug/l*	*10.0*		*97*	*70-130*			
MRL Check (W8H1508-MRL2)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL3)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			

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(Continued)

Haloacetic Acids (HAAs) by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz (Continued)										
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*0.00*		*ug/l*	*10.0*			*70-130*			
Matrix Spike (W8H1508-MS1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.8	1.0	ug/l	10.0	*2.27*	96	70-130			
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	127	70-130			
Monobromoacetic acid (mbaa)	9.93	1.0	ug/l	10.0	*ND*	99	70-130			
Monochloroacetic acid (mcaa)	10.6	2.0	ug/l	10.0	*ND*	106	70-130			
Trichloroacetic acid (tcaa)	10.8	1.0	ug/l	10.0	*0.920*	99	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.8*		*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike (W8H1508-MS2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.9	1.0	ug/l	10.0	*2.68*	92	70-130			
Dichloroacetic acid (dcaa)	14.2	1.0	ug/l	10.0	*1.87*	124	70-130			
Monobromoacetic acid (mbaa)	9.75	1.0	ug/l	10.0	*ND*	98	70-130			
Monochloroacetic acid (mcaa)	10.4	2.0	ug/l	10.0	*ND*	104	70-130			
Trichloroacetic acid (tcaa)	11.2	1.0	ug/l	10.0	*1.02*	101	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.6	1.0	ug/l	10.0	*2.27*	93	70-130	2	30	
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	126	70-130	0.5	30	
Monobromoacetic acid (mbaa)	9.88	1.0	ug/l	10.0	*ND*	99	70-130	0.5	30	
Monochloroacetic acid (mcaa)	10.5	2.0	ug/l	10.0	*ND*	105	70-130	1	30	
Trichloroacetic acid (tcaa)	11.0	1.0	ug/l	10.0	*0.920*	101	70-130	2	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	12.9	1.0	ug/l	10.0	*2.68*	103	70-130	8	30	
Dichloroacetic acid (dcaa)	15.5	1.0	ug/l	10.0	*1.87*	136	70-130	8	30	MS-05
Monobromoacetic acid (mbaa)	10.7	1.0	ug/l	10.0	*ND*	107	70-130	9	30	
Monochloroacetic acid (mcaa)	11.1	2.0	ug/l	10.0	*ND*	111	70-130	7	30	
Trichloroacetic acid (tcaa)	12.1	1.0	ug/l	10.0	*1.02*	111	70-130	8	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*11.5*		*ug/l*	*10.0*		*115*	*70-130*			

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Quality Control Results

(Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1396 - EPA 3535/SPE										
Blank (W8H1396-BLK1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W8H1396-BS1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	2.92	2.0	ng/l	3.00		97	50-150			
LCS Dup (W8H1396-BSD1)				**Prepared: 08/23/18**	**Analyzed: 08/27/18**					
N-Nitrosodimethylamine	2.90	2.0	ng/l	3.00		97	50-150	0.6	50	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE										
Blank (W8H1513-BLK1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	ND		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.03*	*ug/l*	*5.00*		*101*	*70-130*			
Perylene-d12		*3.89*	*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate		*4.22*	*ug/l*	*5.00*		*84*	*70-130*			
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.62	0.10	ug/l	5.00		112	70-130			
Atrazine	5.73	0.10	ug/l	5.00		115	70-130			
Benzo (a) pyrene	4.47	0.10	ug/l	5.00		89	60-130			
Bis(2-ethylhexyl)adipate	5.39	2.0	ug/l	5.00		108	70-130			
Bis(2-ethylhexyl)phthalate	5.54	2.0	ug/l	5.00		111	70-130			
Bromacil	5.01	0.50	ug/l	5.00		100	70-130			
Butachlor	5.19	0.10	ug/l	5.00		104	70-130			
Captan	4.07	1.0	ug/l	5.00		81	70-130			
Chlorpropham	5.58	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.73	0.10	ug/l	5.00		115	70-130			
Diazinon	4.40	0.10	ug/l	5.00		88	50-120			
Dimethoate	3.73	0.20	ug/l	5.00		75	50-120			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Diphenamid	5.66	0.10	ug/l	5.00		113	70-130			
Disulfoton	4.31	0.10	ug/l	5.00		86	50-120			
EPTC	5.20	0.10	ug/l	5.00		104	70-130			
Metolachlor	5.43	0.10	ug/l	5.00		109	60-130			
Metribuzin	5.18	0.10	ug/l	5.00		104	50-120			
Molinate	5.14	0.10	ug/l	5.00		103	70-130			
Naphthalene	4.51		ug/l	5.00		90	70-130			
Prometon	2.04	0.10	ug/l	5.00		41	15-120			
Prometryn	4.39	0.10	ug/l	5.00		88	30-120			
Simazine	4.74	0.10	ug/l	5.00		95	60-130			
Terbacil	5.25	2.0	ug/l	5.00		105	70-130			
Thiobencarb	5.15	0.10	ug/l	5.00		103	70-130			
Trithion	5.34	0.10	ug/l	5.00		107	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.75*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.74*		*ug/l*	*5.00*		*95*	*50-120*			
Triphenyl phosphate	*5.44*		*ug/l*	*5.00*		*109*	*70-130*			
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.74	0.10	ug/l	5.00		115	70-130	2	30	
Atrazine	5.61	0.10	ug/l	5.00		112	70-130	2	30	
Benzo (a) pyrene	4.49	0.10	ug/l	5.00		90	60-130	0.3	30	
Bis(2-ethylhexyl)adipate	5.40	2.0	ug/l	5.00		108	70-130	0.3	30	
Bis(2-ethylhexyl)phthalate	5.63	2.0	ug/l	5.00		113	70-130	2	30	
Bromacil	5.20	0.50	ug/l	5.00		104	70-130	4	30	
Butachlor	5.35	0.10	ug/l	5.00		107	70-130	3	30	
Captan	4.08	1.0	ug/l	5.00		82	70-130	0.4	30	
Chlorpropham	5.74	0.10	ug/l	5.00		115	70-130	3	30	
Cyanazine	6.06	0.10	ug/l	5.00		121	70-130	6	30	
Diazinon	4.15	0.10	ug/l	5.00		83	50-120	6	30	
Dimethoate	4.17	0.20	ug/l	5.00		83	50-120	11	30	
Diphenamid	5.62	0.10	ug/l	5.00		112	70-130	0.7	30	
Disulfoton	4.34	0.10	ug/l	5.00		87	50-120	0.5	30	
EPTC	5.44	0.10	ug/l	5.00		109	70-130	4	30	
Metolachlor	5.47	0.10	ug/l	5.00		109	60-130	0.8	30	
Metribuzin	5.65	0.10	ug/l	5.00		113	50-120	9	30	
Molinate	5.26	0.10	ug/l	5.00		105	70-130	2	30	
Naphthalene	4.92		ug/l	5.00		98	70-130	9	30	
Prometon	1.90	0.10	ug/l	5.00		38	15-120	7	30	
Prometryn	4.58	0.10	ug/l	5.00		92	30-120	4	30	
Simazine	4.78	0.10	ug/l	5.00		96	60-130	0.8	30	
Terbacil	5.97	2.0	ug/l	5.00		119	70-130	13	30	
Thiobencarb	5.32	0.10	ug/l	5.00		106	70-130	3	30	
Trithion	5.26	0.10	ug/l	5.00		105	70-130	2	30	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18**	**Analyzed: 09/05/18**					
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.18*	*ug/l*	*5.00*		*104*	*70-130*			
Perylene-d12		*4.82*	*ug/l*	*5.00*		*96*	*50-120*			
Triphenyl phosphate		*5.39*	*ug/l*	*5.00*		*108*	*70-130*			

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Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

Reviewed by:

DRAFT REPORT
DATA SUBJECT TO CHANGE

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

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Certificate of Analysis

FINAL REPORT

Work Orders: 8H27093

Project: 405783

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/14/2018

Received Date: 8/27/2018

Turnaround Time: Normal

Phones: (714) 771-6900

Fax: (714) 771-9933

P.O. #: 1024551

Billing Code:

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • 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 Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/27/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
LAMW-5S (405783-001)	Client	8H27093-01	Water	08/22/18 12:40	
SMBRP-12 (405783-002)	Client	8H27093-02	Water	08/22/18 10:30	
MCWP-MW09 (405783-003)	Client	8H27093-03	Water	08/22/18 11:30	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Sample Results

Sample: LAMW-5S (405783-001)
8H27093-01 (Water)

Sampled: 08/22/18 12:40 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0071 **Instr:** LC13			**Prepared:** 09/04/18 15:25			**Analyst:** blg	
Chromium 6+	**0.44**	0.024	0.10	ug/l	5	09/05/18 12:00	
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**2000**	1.3	5.0	ug/l	1	09/04/18 16:14	
Antimony, Total	**0.19**	0.045	0.50	ug/l	1	09/04/18 16:14	J
Barium, Total	**40**	0.071	0.50	ug/l	1	09/04/18 16:14	
Beryllium, Total	**0.062**	0.033	0.10	ug/l	1	09/04/18 16:14	J
Cadmium, Total	**0.14**	0.041	0.10	ug/l	1	09/04/18 16:14	
Chromium, Total	**9.0**	0.035	0.20	ug/l	1	09/04/18 16:14	
Copper, Total	**7.9**	0.13	0.50	ug/l	1	09/04/18 16:14	
Lead, Total	**1.1**	0.031	0.20	ug/l	1	09/04/18 16:14	
Nickel, Total	**15**	0.045	0.80	ug/l	1	09/04/18 16:14	
Silver, Total	**2.4**	0.062	0.20	ug/l	1	09/04/18 16:14	
Thallium, Total	**0.026**	0.014	0.20	ug/l	1	09/04/18 16:14	J
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:44	

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Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Sample Results

(Continued)

Sample: SMBRP-12 (405783-002)
8H27093-02 (Water)

Sampled: 08/22/18 10:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0071 **Instr:** LC13			**Prepared:** 09/04/18 15:25			**Analyst:** blg	
Chromium 6+	ND	0.024	0.10	ug/l	5	09/05/18 09:04	M-05
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**200**	1.3	5.0	ug/l	1	09/04/18 16:18	
Antimony, Total	**0.13**	0.045	0.50	ug/l	1	09/04/18 16:18	J
Barium, Total	**50**	0.071	0.50	ug/l	1	09/04/18 16:18	
Beryllium, Total	ND	0.033	0.10	ug/l	1	09/04/18 16:18	
Cadmium, Total	**0.88**	0.041	0.10	ug/l	1	09/04/18 16:18	
Chromium, Total	**1.1**	0.035	0.20	ug/l	1	09/04/18 16:18	
Copper, Total	**0.97**	0.13	0.50	ug/l	1	09/04/18 16:18	
Lead, Total	**0.19**	0.031	0.20	ug/l	1	09/04/18 16:18	J
Nickel, Total	**14**	0.045	0.80	ug/l	1	09/04/18 16:18	
Silver, Total	ND	0.062	0.20	ug/l	1	09/04/18 16:18	
Thallium, Total	**0.036**	0.014	0.20	ug/l	1	09/04/18 16:18	J
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:46	

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Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Sample Results

(Continued)

Sample: MCWP-MW09 (405783-003)
8H27093-03 (Water)

Sampled: 08/22/18 11:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0071 **Instr:** LC13			**Prepared:** 09/04/18 15:25			**Analyst:** blg	
Chromium 6+	ND	0.024	0.10	ug/l	5	09/05/18 11:16	M-05
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**250**	1.3	5.0	ug/l	1	09/04/18 16:22	
Antimony, Total	**0.076**	0.045	0.50	ug/l	1	09/04/18 16:22	J
Barium, Total	**20**	0.071	0.50	ug/l	1	09/04/18 16:22	
Beryllium, Total	ND	0.033	0.10	ug/l	1	09/04/18 16:22	
Cadmium, Total	**0.050**	0.041	0.10	ug/l	1	09/04/18 16:22	J
Chromium, Total	**1.8**	0.035	0.20	ug/l	1	09/04/18 16:22	
Copper, Total	**0.84**	0.13	0.50	ug/l	1	09/04/18 16:22	
Lead, Total	**0.11**	0.031	0.20	ug/l	1	09/04/18 16:22	J
Nickel, Total	**3.8**	0.045	0.80	ug/l	1	09/04/18 16:22	
Silver, Total	**0.26**	0.062	0.20	ug/l	1	09/04/18 16:22	
Thallium, Total	ND	0.014	0.20	ug/l	1	09/04/18 16:22	
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:48	

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Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0071 - EPA 218.6											
Blank (W8I0071-BLK1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W8I0071-BS1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	5.10	0.0048	0.020	ug/l	5.00		102	90-110			
Calibration Check (W8I0071-CCV1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	0.0222	0.0048	0.020	ug/l	0.0200		111	80-120			
Calibration Check (W8I0071-CCV2)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	5.13	0.0048	0.020	ug/l	5.00		103	95-105			
Calibration Check (W8I0071-CCV3)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	10.2	0.0048	0.020	ug/l	10.0		102	95-105			
Matrix Spike (W8I0071-MS1)	**Source: 8H22092-06**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.74	0.0048	0.020	ug/l	5.00	2.64	102	88-112			
Matrix Spike (W8I0071-MS2)	**Source: 8H22092-07**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	8.06	0.0048	0.020	ug/l	5.00	2.92	103	88-112			
Matrix Spike Dup (W8I0071-MSD1)	**Source: 8H22092-06**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.66	0.0048	0.020	ug/l	5.00	2.64	100	88-112	1	10	
Matrix Spike Dup (W8I0071-MSD2)	**Source: 8H22092-07**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.95	0.0048	0.020	ug/l	5.00	2.92	101	88-112	1	10	

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931 West Barkley Avenue
Orange, CA 92868

Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8											
Blank (W8H1624-BLK1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	ND	1.3	5.0	ug/l							
Antimony, Total	0.0493	0.045	0.50	ug/l							B-07, J
Barium, Total	ND	0.071	0.50	ug/l							
Beryllium, Total	ND	0.033	0.10	ug/l							
Cadmium, Total	ND	0.041	0.10	ug/l							
Chromium, Total	ND	0.035	0.20	ug/l							
Copper, Total	ND	0.13	0.50	ug/l							
Lead, Total	ND	0.031	0.20	ug/l							
Nickel, Total	ND	0.045	0.80	ug/l							
Silver, Total	ND	0.062	0.20	ug/l							
Thallium, Total	ND	0.014	0.20	ug/l							
LCS (W8H1624-BS1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	51.7	1.3	5.0	ug/l	50.0		103	85-115			
Antimony, Total	49.0	0.045	0.50	ug/l	50.0		98	85-115			
Barium, Total	50.1	0.071	0.50	ug/l	50.0		100	85-115			
Beryllium, Total	50.1	0.033	0.10	ug/l	50.0		100	85-115			
Cadmium, Total	49.7	0.041	0.10	ug/l	50.0		99	85-115			
Chromium, Total	49.9	0.035	0.20	ug/l	50.0		100	85-115			
Copper, Total	50.8	0.13	0.50	ug/l	50.0		102	85-115			
Lead, Total	50.6	0.031	0.20	ug/l	50.0		101	85-115			
Nickel, Total	51.0	0.045	0.80	ug/l	50.0		102	85-115			
Silver, Total	50.0	0.062	0.20	ug/l	50.0		100	85-115			
Thallium, Total	50.8	0.014	0.20	ug/l	50.0		102	85-115			
Matrix Spike (W8H1624-MS1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7690	1.3	5.0	ug/l	50.0	7240	915	70-130			MS-02
Antimony, Total	32.2	0.045	0.50	ug/l	50.0	0.290	64	70-130			MS-01
Barium, Total	144	0.071	0.50	ug/l	50.0	91.4	106	70-130			
Beryllium, Total	50.7	0.033	0.10	ug/l	50.0	0.344	101	70-130			
Cadmium, Total	48.1	0.041	0.10	ug/l	50.0	0.613	95	70-130			
Chromium, Total	71.5	0.035	0.20	ug/l	50.0	21.8	99	70-130			
Copper, Total	56.3	0.13	0.50	ug/l	50.0	11.7	89	70-130			
Lead, Total	51.4	0.031	0.20	ug/l	50.0	3.11	97	70-130			
Nickel, Total	77.4	0.045	0.80	ug/l	50.0	32.5	90	70-130			
Silver, Total	45.5	0.062	0.20	ug/l	50.0	ND	91	70-130			
Thallium, Total	49.5	0.014	0.20	ug/l	50.0	0.0863	99	70-130			
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7970	1.3	5.0	ug/l	50.0	7240	NR	70-130	3	30	MS-02
Antimony, Total	33.4	0.045	0.50	ug/l	50.0	0.290	66	70-130	4	30	MS-01
Barium, Total	147	0.071	0.50	ug/l	50.0	91.4	111	70-130	2	30	

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Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8 (Continued)											
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Beryllium, Total	50.8	0.033	0.10	ug/l	50.0	0.344	101	70-130	0.2	30	
Cadmium, Total	48.7	0.041	0.10	ug/l	50.0	0.613	96	70-130	1	30	
Chromium, Total	72.3	0.035	0.20	ug/l	50.0	21.8	101	70-130	1	30	
Copper, Total	62.5	0.13	0.50	ug/l	50.0	11.7	101	70-130	10	30	
Lead, Total	52.0	0.031	0.20	ug/l	50.0	3.11	98	70-130	1	30	
Nickel, Total	78.2	0.045	0.80	ug/l	50.0	32.5	92	70-130	1	30	
Silver, Total	45.2	0.062	0.20	ug/l	50.0	ND	90	70-130	0.8	30	
Thallium, Total	50.0	0.014	0.20	ug/l	50.0	0.0863	100	70-130	1	30	
Batch: W8H1727 - EPA 245.1											
Blank (W8H1727-BLK1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	ND	0.017	0.050	ug/l							
LCS (W8H1727-BS1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.999	0.017	0.050	ug/l	1.00		100	85-115			
Matrix Spike (W8H1727-MS1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.958	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike (W8H1727-MS2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.960	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike Dup (W8H1727-MSD1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.953	0.017	0.050	ug/l	1.00	ND	95	70-130	0.5	20	
Matrix Spike Dup (W8H1727-MSD2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	1.03	0.017	0.050	ug/l	1.00	ND	103	70-130	7	20	

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Project Number: 405783

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:39

Notes and Definitions

Item	Definition
B-07	This analyte was found in the method blank at levels above the MDL but below the reporting limit.
J	Estimated conc. detected <MRL and >MDL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

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Greensburg, PA 15601
(724)850-5600

September 17, 2018

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: 405783
Pace Project No.: 30263300

Dear Ranjit Clarke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Hongling Cao, Enthalpy Analytical
Ms. Cam Pham, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical

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CERTIFICATIONS

Project: 405783
Pace Project No.: 30263300

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: 405783
Pace Project No.: 30263300

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30263300001	**405783-001**	Water	08/22/18 12:40	08/24/18 10:00
30263300002	**405783-002**	Water	08/22/18 10:30	08/24/18 10:00
30263300003	**405783-003**	Water	08/22/18 11:30	08/24/18 10:00

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SAMPLE ANALYTE COUNT

Project: 405783
Pace Project No.: 30263300

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30263300001	**405783-001**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263300002	**405783-002**	EPA 900.0	NJV	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263300003	**405783-003**	EPA 900.0	NEG	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

Sample: 405783-001 **Lab ID: 30263300001** Collected: 08/22/18 12:40 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**2.10 ± 1.44 (2.38) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-46-1	
Gross Beta	EPA 900.0	**2.01 ± 1.24 (2.14) C:NA T:NA**	pCi/L	09/06/18 18:33	12587-47-2	
Radium-226	EPA 903.1	**0.260 ± 0.313 (0.478) C:NA T:83%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**0.278 ± 0.416 (0.898) C:71% T:75%**	pCi/L	09/05/18 15:31	15262-20-1	
Strontium-90	ASTM D5811-95	**0.255 ± 0.369 (0.677) C:91% T:NA**	pCi/L	09/04/18 18:11	10098-97-2	N2
Tritium	EPA 906.0	**0.000 ± 137 (244) C:NA T:NA**	pCi/L	09/08/18 12:19	10028-17-8	
Total Uranium	ASTM D5174-97	**0.331 ± 0.012 (0.262) C:NA T:NA**	ug/L	09/17/18 19:10	7440-61-1	

Sample: 405783-002 **Lab ID: 30263300002** Collected: 08/22/18 10:30 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**8.14 ± 5.99 (10.2) C:NA T:NA**	pCi/L	09/06/18 18:34	12587-46-1	
Gross Beta	EPA 900.0	**23.7 ± 6.11 (6.50) C:NA T:NA**	pCi/L	09/06/18 18:34	12587-47-2	
Radium-226	EPA 903.1	**0.278 ± 0.329 (0.516) C:NA T:91%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**0.742 ± 0.555 (1.11) C:69% T:79%**	pCi/L	09/05/18 15:31	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.429 ± 0.308 (0.620) C:92% T:NA**	pCi/L	09/04/18 18:11	10098-97-2	N2
Tritium	EPA 906.0	**0.000 ± 137 (243) C:NA T:NA**	pCi/L	09/08/18 13:21	10028-17-8	
Total Uranium	ASTM D5174-97	**0.903 ± 0.030 (0.262) C:NA T:NA**	ug/L	09/17/18 19:12	7440-61-1	

Sample: 405783-003 **Lab ID: 30263300003** Collected: 08/22/18 11:30 Received: 08/24/18 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**1.15 ± 8.00 (15.4) C:NA T:NA**	pCi/L	09/11/18 19:10	12587-46-1	
Gross Beta	EPA 900.0	**6.65 ± 5.16 (9.02) C:NA T:NA**	pCi/L	09/11/18 19:10	12587-47-2	
Radium-226	EPA 903.1	**0.593 ± 0.464 (0.545) C:NA T:70%**	pCi/L	09/06/18 21:42	13982-63-3	
Radium-228	EPA 904.0	**0.226 ± 0.414 (0.907) C:69% T:82%**	pCi/L	09/05/18 15:31	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.136 ± 0.281 (0.548) C:102% T:NA**	pCi/L	09/04/18 18:11	10098-97-2	N2
Tritium	EPA 906.0	**0.000 ± 137 (243) C:NA T:NA**	pCi/L	09/08/18 14:22	10028-17-8	
Total Uranium	ASTM D5174-97	**4.38 ± 0.096 (0.262) C:NA T:NA**	ug/L	09/06/18 15:33	7440-61-1	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311289 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30263300001, 30263300002, 30263300003

METHOD BLANK: 1520263 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002, 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.0440 ± 0.170 (0.321) C:100% T:NA	pCi/L	09/04/18 18:04	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311629 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30263300003

METHOD BLANK: 1521863 Matrix: Water
Associated Lab Samples: 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.429 ± 0.491 (0.940) C:NA T:NA	pCi/L	09/11/18 19:09	
Gross Beta	0.022 ± 0.779 (1.69) C:NA T:NA	pCi/L	09/11/18 19:09	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311178 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30263300001, 30263300002, 30263300003

METHOD BLANK: 1519805 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002, 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.494 ± 0.429 (0.865) C:71% T:75%	pCi/L	09/05/18 15:30	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311434 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30263300001, 30263300002, 30263300003

METHOD BLANK: 1520915 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002, 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.155 ± 0.006 (0.262) C:NA T:NA	ug/L	09/06/18 14:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311628 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30263300001, 30263300002

METHOD BLANK: 1521862 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.174 ± 0.383 (0.760) C:NA T:NA	pCi/L	09/06/18 18:34	
Gross Beta	0.349 ± 0.535 (1.03) C:NA T:NA	pCi/L	09/06/18 18:34	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311136 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30263300001, 30263300002, 30263300003

METHOD BLANK: 1519686 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002, 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.362 ± 0.337 (0.444) C:NA T:88%	pCi/L	09/06/18 21:00	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 405783
Pace Project No.: 30263300

QC Batch: 311887 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30263300001, 30263300002, 30263300003

METHOD BLANK: 1523088 Matrix: Water
Associated Lab Samples: 30263300001, 30263300002, 30263300003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-43.6 ± 134 (242) C:NA T:NA	pCi/L	09/08/18 08:14	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 405783
Pace Project No.: 30263300

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1024474

Project: 405783 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/22/18 12:40	LAMW-5S (405783-001)	900.0 Gross Alpha and Beta	001
Water	08/22/18 12:40	LAMW-5S (405783-001)	903.1 Radiuum-226	
Water	08/22/18 12:40	LAMW-5S (405783-001)	904.0 Radium-228	
Water	08/22/18 12:40	LAMW-5S (405783-001)	905.0 Strontium-90	
Water	08/22/18 12:40	LAMW-5S (405783-001)	906.0 Tritium	
Water	08/22/18 12:40	LAMW-5S (405783-001)	908.0 Uranium	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	900.0 Gross Alpha and Beta	002
Water	08/22/18 10:30	SMBRP-12 (405783-002)	903.1 Radiuum-226	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	904.0 Radium-228	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	905.0 Strontium-90	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	906.0 Tritium	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	908.0 Uranium	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	900.0 Gross Alpha and Beta	003
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	903.1 Radiuum-226	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	904.0 Radium-228	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	905.0 Strontium-90	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	906.0 Tritium	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	908.0 Uranium	

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/23/18 14:30	Date/Time 8-24-18 1000
Date/Time	Date/Time

WO# : 30263300

30263300

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: Enthalpy Analytical Project # 30263300

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label ET

Tracking #: 773052584020 LIMS Login BMH

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used N/A Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C

Temp should be above freezing to 6°C

pH paper Lot# 10D416171 Date and Initials of person examining contents: ET 8-24-18

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT		✓		5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓	✓		10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation.	✓			16. added 50mL of HNO3 to samples
All containers needing preservation are found to be in compliance with EPA recommendation.		✓		
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed ET Date/time of preservation 8-24-18 15:10
				Lot # of added preservative DU18-0898
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Aqueous Samples Screened > 0.5 mrem/hr		✓		Initial when completed: ET Date: 8-24-18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

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WORK ORDER NUMBER: 18-08-2003

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Enthalpy Analytical, Inc.

Client Project Name: 405783

Attention: Ranjit Clarke
931 W. Barkley Avenue
Orange, CA 92868-1208

Sheila Lau for

Approved for release on 09/06/2018 by:
Xuan Dang
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 18-08-2003

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4 Client Sample Data. 6
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5 Quality Control Sample Data. 8
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Work Order Narrative

Work Order: 18-08-2003 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/23/18. They were assigned to Work Order 18-08-2003.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Enthalpy Analytical, Inc. 931 W. Barkley Avenue Orange, CA 92868-1208	Work Order:	18-08-2003
		Project Name:	405783
		PO Number:	1024475
		Date/Time Received:	08/23/18 14:00
		Number of Containers:	6
Attn:	Ranjit Clarke		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
LAMW-5S (405783-001)	18-08-2003-1	08/22/18 12:40	2	Aqueous
SMBRP-12 (405783-002)	18-08-2003-2	08/22/18 10:30	2	Aqueous
MCWP-MW09 (405783-003)	18-08-2003-3	08/22/18 11:30	2	Aqueous

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Detections Summary

Client:	Enthalpy Analytical, Inc.	Work Order:	18-08-2003
	931 W. Barkley Avenue	Project Name:	405783
	Orange, CA 92868-1208	Received:	08/23/18
Attn:	Ranjit Clarke		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SMBRP-12 (405783-002) (18-08-2003-2)						
Biochemical Oxygen Demand	2.4		1.0	mg/L	SM 5210 B	N/A
MCWP-MW09 (405783-003) (18-08-2003-3)						
Biochemical Oxygen Demand	2.7		1.0	mg/L	SM 5210 B	N/A

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

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Analytical Report

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405783

Date Received: 08/23/18
Work Order: 18-08-2003
Preparation: N/A
Method: EPA 1664A
Units: mg/L

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LAMW-5S (405783-001)	**18-08-2003-1-A**	**08/22/18 12:40**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-12 (405783-002)	**18-08-2003-2-A**	**08/22/18 10:30**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW09 (405783-003)	**18-08-2003-3-A**	**08/22/18 11:30**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-923-460**	**N/A**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405783

Date Received: 08/23/18
Work Order: 18-08-2003
Preparation: N/A
Method: SM 5210 B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LAMW-5S (405783-001)	**18-08-2003-1-B**	**08/22/18 12:40**	**Aqueous**	**BOD 1**	**08/23/18**	**08/28/18 15:30**	**I0823BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	ND	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-12 (405783-002)	**18-08-2003-2-B**	**08/22/18 10:30**	**Aqueous**	**BOD 1**	**08/23/18**	**08/28/18 15:30**	**I0823BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	2.4	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW09 (405783-003)	**18-08-2003-3-B**	**08/22/18 11:30**	**Aqueous**	**BOD 1**	**08/23/18**	**08/28/18 15:30**	**I0823BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	2.7	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-054-5416**	**N/A**	**Aqueous**	**BOD 1**	**08/23/18**	**08/28/18 15:30**	**I0823BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	ND	1.0	0.58	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Enthalpy Analytical, Inc.		Date Received:	08/23/18
931 W. Barkley Avenue		Work Order:	18-08-2003
Orange, CA 92868-1208		Preparation:	N/A
		Method:	SM 5210 B
Project: 405783			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
18-08-2000-1	**Sample**	**Aqueous**	**BOD 1**	**08/23/18 00:00**	**08/28/18 15:30**	**I0823BODD1**
18-08-2000-1	**Sample Duplicate**	**Aqueous**	**BOD 1**	**08/23/18 00:00**	**08/28/18 15:30**	**I0823BODD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Biochemical Oxygen Demand	3200	3200	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405783

Date Received: 08/23/18
Work Order: 18-08-2003
Preparation: N/A
Method: EPA 1664A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-16-923-460	**LCS**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**
099-16-923-460	**LCSD**	**Aqueous**	**N/A**	**08/24/18**	**08/24/18 16:30**	**I0824HEML1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	36.90	92	35.90	90	78-114	3	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 18-08-2003 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.77 6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1024475

Project: 405783 **Due:** 18-08-2003
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

	Matrix	Sampled	Sample ID	Analysis	Comment
1	Water	08/22/18 12:40	LAMW-5S (405783-001)	1664_Total_OUT	
	Water	08/22/18 12:40	LAMW-5S (405783-001)	5210B BOD_OUT	
2	Water	08/22/18 10:30	SMBRP-12 (405783-002)	1664_Total_OUT	
	Water	08/22/18 10:30	SMBRP-12 (405783-002)	5210B BOD_OUT	
3	Water	08/22/18 11:30	MCWP-MW09 (405783-003)	1664_Total_OUT	
	Water	08/22/18 11:30	MCWP-MW09 (405783-003)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	**Received By:**
Date/Time 8/23/18 1400	Date/Time 8/23/18 1400
Date/Time	Date/Time

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WORK ORDER NUMBER: 18-08-

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 08/23/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.4 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: SR

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SR

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☑ 1PB (Qual) ☐ 1PB**na** (pH__12) ☑ 1CGJs (O&G) ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1053

Reviewed by: BR

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WORK ORDER NUMBER: 18-08-2003

SAMPLE ANOMALY REPORT

DATE: 08/23/2018

SAMPLES, CONTAINERS, AND LABELS:

Comments

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☑ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☑ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

(-1) Labeled as LA MW-55 (Date/time match)

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

Reported by: 1053

Reviewed by: 659

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Enthalpy - Orange

Report to: Ranjit Clarke
1 Park Plaza, Ste 1000
Irvine, CA 92614

Client Project # 405783

Analytical Report
0818-727

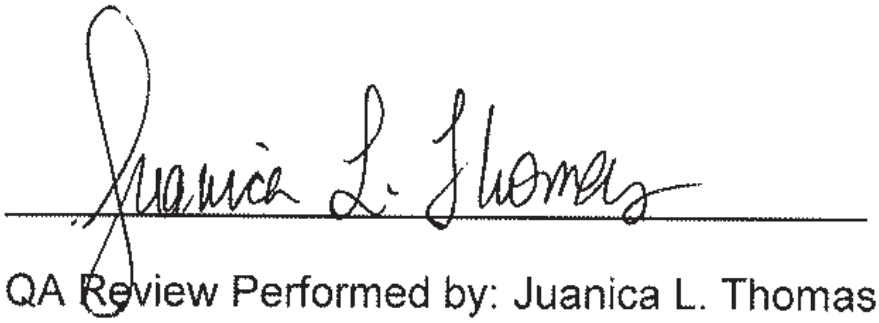
Method 1613B
TCDD Only

Enthalpy Analytical, LLC – Ultratrace
Phone: (910) 212-5858 / www.enthalpy.com
2714 Exchange Drive, Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 19 pages.



QA Review Performed by: Juanica L. Thomas

Report Issued Date: 9/10/18

ENTHALPY ANALYTICAL

LAMW-5S (405783-001)						Detailed Results - Method 1613	
Client Details							
Client Sample ID: LAMW-5S (405783-001)				**Client Name:** EA Orange			
Client Project ID: 405783				**Sample Collection Date:** 22-Aug-18		**RRFs:** CS3 AB	
Lab/Sample Details							
Lab Job #:	0818-727	**Matrix:**	Aqueous	**Date Received:**	25-Aug-18		
Lab Sample ID:	0818-727_10118_001	**Weight/Volume:**	1.06	**Date Extracted:**	27-Aug-18		
QC Batch #:	10118	**Split Factor:**	1	**Date Analyzed:**	30-Aug-18		
Dilution:	-			**Time Analyzed:**	16:16:00		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.408			ES 2,3,7,8-TCDD	84.1	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	111	

SMBRP-12 (405783-002)						Detailed Results - Method 1613	
Client Details							
Client Sample ID:	SMBRP-12 (405783-002)		**Client Name:**	**EA Orange**			
Client Project ID:	405783		**Sample Collection Date:**	**22-Aug-18**		**RRFs:**	**CS3 AB**
Lab/Sample Details							
Lab Job #:	**0818-727**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-18**		
Lab Sample ID:	**0818-727_10118_002**	**Weight/Volume:**	**1.06**	**Date Extracted:**	**27-Aug-18**		
QC Batch #:	**10118**	**Split Factor:**	**1**	**Date Analyzed:**	**30-Aug-18**		
Dilution:	**-**			**Time Analyzed:**	**17:05:02**		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.258			ES 2,3,7,8-TCDD	111	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	143	V

MCWP-MW09 (405783-003)				Detailed Results - Method 1613	
Client Details					
Client Sample ID:	MCWP-MW09 (405783-003)	**Client Name:**	**EA Orange**		
Client Project ID:	405783	**Sample Collection Date:**	**22-Aug-18**	**RRFs:**	**CS3 AB**
Lab/Sample Details					
Lab Job #:	**0818-727**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-18**
Lab Sample ID:	**0818-727_10118_003**	**Weight/Volume:**	**1.06**	**Date Extracted:**	**27-Aug-18**
QC Batch #:	**10118**	**Split Factor:**	**1**	**Date Analyzed:**	**30-Aug-18**
Dilution:	**-**			**Time Analyzed:**	**17:54:03**

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.348			ES 2,3,7,8-TCDD	96.6	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	106	

Continuing Calibration

PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	30-Aug-18	30-Aug-18
Acquisition Time	9:29:53	19:32:07

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.18	1.07	1.16	1.7	-7.8	1.13	9.8
1,2,3,7,8-PeCDD	0.99	0.93	1.06	-6.6	-12.3	0.96	6.2
1,2,3,4,7,8-HxCDD	1.09	1.04	1.05	3.8	-1.0	1.07	4.7
1,2,3,6,7,8-HxCDD	1.19	1.12	1.09	9.2	2.8	1.16	6.1
1,2,3,7,8,9-HxCDD	0.96	0.89	1.02	-5.9	-12.7	0.93	7.6
1,2,3,4,6,7,8-HpCDD	1.06	1.00	1.07	-0.9	-6.5	1.03	5.8
OCDD	1.11	1.10	1.11	0.0	-0.9	1.11	0.9
2,3,7,8-TCDF	1.02	0.92	1.08	-5.6	-14.8	0.97	10.3
1,2,3,7,8-PeCDF	0.99	0.96	1.04	-4.8	-7.7	0.98	3.1
2,3,4,7,8-PeCDF	0.98	0.94	1.02	-3.9	-7.8	0.96	4.2
1,2,3,4,7,8-HxCDF	1.32	1.26	1.36	-2.9	-7.4	1.29	4.7
1,2,3,6,7,8-HxCDF	1.22	1.17	1.24	-1.6	-5.6	1.20	4.2
2,3,4,6,7,8-HxCDF	1.23	1.17	1.26	-2.4	-7.1	1.20	5.0
1,2,3,7,8,9-HxCDF	1.22	1.13	1.24	-1.6	-8.9	1.18	7.7
1,2,3,4,6,7,8-HpCDF	1.42	1.29	1.43	-0.7	-9.8	1.36	9.6
1,2,3,4,7,8,9-HpCDF	1.37	1.28	1.38	-0.7	-7.2	1.33	6.8
OCDF	1.04	0.99	1.11	-6.3	-10.8	1.02	4.9
ES 2,3,7,8-TCDD	0.93	0.94	1.02	-8.8	-7.8	0.94	1.1
ES 1,2,3,7,8-PeCDD	0.78	0.86	0.86	-9.3	0.0	0.82	9.8
ES 1,2,3,4,7,8-HxCDD	1.03	1.02	1.03	0.0	-1.0	1.03	1.0
ES 1,2,3,6,7,8-HxCDD	1.05	1.04	1.02	2.9	2.0	1.05	1.0
ES 1,2,3,7,8,9-HxCDD	1.19	1.19	1.14	4.4	4.4	1.19	0.0
ES 1,2,3,4,6,7,8-HpCDD	0.87	0.83	0.86	1.2	-3.5	0.85	4.7
ES OCDD	0.61	0.60	0.67	-9.0	-10.4	0.61	1.7
ES 2,3,7,8-TCDF	0.94	0.90	1.02	-7.8	-11.8	0.92	4.3
ES 1,2,3,7,8-PeCDF	0.80	0.87	0.86	-7.0	1.2	0.84	8.4
ES 2,3,4,7,8-PeCDF	0.78	0.90	0.89	-12.4	1.1	0.84	14.3
ES 1,2,3,4,7,8-HxCDF	1.31	1.20	1.24	5.6	-3.2	1.26	8.8
ES 1,2,3,6,7,8-HxCDF	1.67	1.51	1.44	16.0	4.9	1.59	10.1
ES 2,3,4,6,7,8-HxCDF	1.45	1.33	1.31	10.7	1.5	1.39	8.6
ES 1,2,3,7,8,9-HxCDF	1.13	1.09	1.10	2.7	-0.9	1.11	3.6
ES 1,2,3,4,6,7,8-HpCDF	1.06	0.91	1.00	6.0	-9.0	0.99	15.2
ES 1,2,3,4,7,8,9-HpCDF	0.79	0.73	0.81	-2.5	-9.9	0.76	7.9
ES OCDF	0.81	0.78	0.87	-6.9	-10.3	0.80	3.8

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	30-Aug-18	30-Aug-18
Acquisition Time	9:29:53	19:32:07

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
CS 37Cl-2378-TCDD	1.14	1.10	1.22	-6.6	-9.8	1.12	3.6
CS 12347-PeCDD	0.70	0.77	0.72	-2.8	6.9	0.74	9.5
CS 12346-PeCDF	0.81	0.78	0.90	-10.0	-13.3	0.80	3.8
CS 123469-HxCDF	1.42	1.29	1.23	15.4	4.9	1.36	9.6
CS 1234689-HpCDF	0.99	0.86	0.90	10.0	-4.4	0.93	14.1
SS 37Cl-2378-TCDD	1.22	1.13	1.20	1.7	-5.8	1.18	7.7
SS 12347-PeCDD	0.90	0.89	0.85	5.9	4.7	0.90	1.1
SS 12346-PeCDF	1.00	0.90	1.05	-4.8	-14.3	0.95	10.5
SS 123469-HxCDF	0.98	0.97	0.94	4.3	3.2	0.98	1.0
SS 1234689-HpCDF	0.94	0.94	0.90	4.4	4.4	0.94	0.0
AS 1368-TCDD	1.08	1.03	1.10	-1.8	-6.4	1.06	4.7
AS 1368-TCDF	1.15	1.00	1.17	-1.7	-14.5	1.08	14.0
FS 1278-TCDD	-	-	1.07	-	-	-	-
FS 12478-PeCDD	-	-	1.01	-	-	-	-
FS 123468-HxCDD	-	-	1.06	-	-	-	-
FS 1234679-HpCDD	-	-	1.22	-	-	-	-
TS 1378-TCDD	-	-	1.03	-	-	-	-
Analyte	Area	Area					
JS 1234-TCDD	2050484	1794167					
JS 1234-TCDF	3142983	2495948					
JS 123467-HxCDD	1112243	1138118					

Method Blank						Detailed Results - Method 1613	
						RRFs:	CS3 AB
Lab/Sample Details							
		Matrix:	Aqueous	Date Received:	N/A		
Lab Sample ID:	MB1_10118_DF	Weight/Volume:	1.00	Date Extracted:	27-Aug-18		
QC Batch #:	10118	Split Factor:	1	Date Analyzed:	30-Aug-18		
Dilution:	-			Time Analyzed:	12:07:57		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.524			ES 2,3,7,8-TCDD	87.9	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	102	

OPR	Detailed Results - Method 1613

RRFs: CS3 AB

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10118_DF	Final Vol. (uL)	20	Date Extracted:	27-Aug-18
QC Batch #:	10118	Split Factor:	1	Date Analyzed:	30-Aug-18
Dilution:	-			Time Analyzed:	10:33:04

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	11.9				ES 2,3,7,8-TCDD	88.8	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	100	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10118

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	11.9	7.3	14.6	Y	ES 2,3,7,8-TCDD	89	25	141	Y
					CS 2,3,7,8-TCDD	10	3.7	15.8	Y

Enthalpy Analytical Narrative Summary

Company	Enthalpy Orange	**Client #**	405783
Analyst	Laura Boivin	**Job #**	0818-727
Parameters	Dioxins and Furans	**# Samples**	3

Custody	Enthalpy Analytical, Inc. Wilmington, NC office received the sample (via FedEx) by Robin Appelle on 8/25/2018. The sample was received having a temperature of 3.3 ºC, in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, Inc.
Analysis	The samples were analyzed by EPA Method 1613 for TCDD only by HRGC/HRMS. The analysis was done using the following instrumentation; High-Resolution-GC - Agilent Tech Model# 6890, AutoSampler – CTC A200 and High-Resolution Mass-Spec. – Waters (Gandalf).
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration (CS3A and CS3B) and batch control spike met the 20% criteria for native analytes, and met the 30% criterion for the labeled standards..
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed the criteria of at or below 40% threshold. Labeled and sampling (surrogate) standard recoveries were acceptable. The samples were extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The TEQ was calculated and reported to the client using the I-TEFs and the WHO-2005 TEF, calculated several different ways. We also reported Totals and Detection Limits. The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter**.**
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).
- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).

- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

0818-727

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 405783 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/22/18 12:40	LAMW-5S (405783-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/22/18 10:30	SMBRP-12 (405783-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
15 Day TAT

2,3,7,8-TCDD only

Relinquished By	Received By:
Date/Time 8/23/18 15:30	Date/Time 8/25/18 0957 3.3°
Date/Time	Date/Time

405783-04 08/23/18 12:36 RC

Spike Profile Sheet

Batch#: 10118
Job #(s): 0818-026, 0818-027

ENTHALPY ANALYTICAL

Comments: NA 8/28/18

NOTE: ALL Ax STANDARDS SOLUTIONS ARE ONLY SPIKED INTO BCS, LCS, OPR AND/OR MS/MSD

PCDD/F

ES: 20 µL @ 100pg/mL	**Ax-A:** 20 µL @ 10pg/mL	**Ax-B:** 20 µL @ 10pg/mL	**AS:** 20 µL @ 100 pg/L
ID: SIDO134	ID: SIDAA14	ID: SIDAA56	ID: SIDAA05
Exp.: 11/2021	Exp.: 11/2018	Exp.: 11/2018	Exp.: 11/2018
Spiker: NA 8/27/18	Spiker: NA 8/27/18	Spiker: NA 8/27/18	Spiker: NA 8/28/18
Witness: MW Date: 08/27/18	Witness: MW Date: 08/27/18	Witness: MW Date: 08/27/18	Witness: MW Date: 08/28/18
CS: 20 µL @ 40 pg/L	**JS:** 20 µL @ 100 pg/L	µL @	µL @
ID: SIDAA37	ID: SIDA002	ID:	ID: NA 8/28/18
Exp.: 7/2019	Exp.: 3/2019	Exp.:	Exp.:
Spiker: NA 8/28/18	Spiker: NA 8/29/18	Spiker:	Spiker:
Witness: MW Date: 08/28/18	Witness: MW Date: 08/29/18	Witness: Date:	Witness: Date:

PCB

ES: µL @	**Ax1668/209:** µL @		**CS:** µL @
ID:	ID:		ID:
Exp.:	Exp.:		Exp.:
Spiker:	Spiker:		Spiker:
Witness: Date:	Witness: Date:		Witness: Date:
JS: µL @	**FS:** µL @	**:** µL @	
ID:	ID:	ID:	
Exp.:	Exp.:	Exp.:	
Spiker:	Spiker:	Spiker:	
Witness: Date:	Witness: Date:	Witness: Date:	

N/A

PAH

ES: µL @	**Ax:** µL @	**AS:** µL @	**CS:** µL @
ID:	ID:	ID:	ID:
Exp.:	Exp.:	Exp.:	Exp.:
Spiker:	Spiker:	Spiker:	Spiker:
Witness: Date:	Witness: Date:	Witness: Date:	Witness: Date:
JS: µL @	**:** µL @		
ID:	ID:		
Exp.:	Exp.:		
Spiker:	Spiker:		
Witness: Date:	Witness: Date:		

N/A

ENTHALPY ANALYTICAL

Matrix: Aqueous	Batch #: 10118			Extraction Cycle Times
Extraction Type: CH_2Cl_2 ☐SDS ☑SEP ☐CLL ☐TALEX		Init.	Date	Start: — Stop: — Date: —
	Extraction	[illegible]	8/28/18 for 8/27/18	Start: — Stop: — Date: —
☑PCDD/F ☐PCB ☐PAH	Clean Up	[illegible]	8/28/18	Start: — Stop: — Date: —
☐Other:	Transfer	[illegible]	08/29/18	Split: 1/2 ~~1/4~~ Final Volume: 20 µL

Lab Sample ID	Extr. Pos.#	Wt. (g)/ Vol. (mL)	Observations	Cl⁻
0818-726_10118_001	—	1049.8	—	—
0818-726_10118_002	—	1068.7	—	—
0818-726_10118_003	—	1033.3	—	—
0818-726_10118_004	—	1050.0	—	—
0818-727_10118_001	—	1061.3	—	—
0818-727_10118_002	—	1061.3	—	—
0818-727_10118_003	—	1060.0	—	—
MB_10118_DF	—	1000	DI H_2O	N/A
OPR_10118_DF	—	1000	DI H_2O	N/A

[illegible] 8/28/18

Supply IDs		Supply IDs: Other		Equipment IDs	
Toluene	183146		[illegible] 8/28/18	Balance	2
Acid Silica	07162018			Pipettes	P2
Base Silica	07162018			Bottle-Top Dispenser	—
Silica	A0371259			Shaker	—
Florisil	102187			Drying Oven	—
Hexane	183263	Comments:		Thermometer	TS
CH_2Cl_2	182750				
Tetradecane	W15C008				[illegible] 8/28/18
Na_2SO_4	16G145207				
$AgNO_3$	MKCG3048				
Hydromatrix	6400661-01				
H_2SO_4	N/A				

0818-726

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 405734 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/21/18 11:30	SMBRP-11 (405734-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 12:00	MCWP-MW04S (405734-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 09:25	MCWP-MW07S (405734-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/21/18 11:00	MCWP-MW07D (405734-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
15 Day TAT

2,3,7,8-TCDD only

Relinquished By	Received By
Date/Time 8/23/18 15:30	Date/Time 8/25/18 0957 3.3°
Date/Time	Date/Time

ENTHALPY ANALYTICAL

Sample Inventory Report, Receipt and Log-In Form (Non-Air)

Client/Company: EA Orange	**EU Job #:** 0818-727		
Client Project #: 405783	**Date Samples Arrived:** 25-Aug-18		
Client PO #:	**Time Samples Arrived:** 9:57 AM	**Received by Int.:**	RAA

Sample Inventory

Lab Sample ID	Client Sample ID	Client Sample Description	Matrix	Qty.	Sample Collection Date	Sample Collection Time	Notes:
0818-727_001	LAMW-5S (405783-001)	Water	Aqueous	1	22-Aug-18	12:40 PM	
0818-727_002	SMBRP-12 (405783-002)	Water	Aqueous	1	22-Aug-18	10:30 AM	
0818-727_003	MCWP-MW09 (405783-003)	Water	Aqueous	1	22-Aug-18	11:30 AM	

Sample Receipt & Log-in Details

Courier: FedEx		**Container Condition**	**Tracking Number(s):** 773052595911
# of Boxes: 0	**# of Coolers: 1**	Intact	
Sample Condition: Good		**Custody Seals (cont.):** NO	**Seal Condition:** N/A
Sample Temperature(s) in °C (coolers): 3.3		**Custody Seals (samples):** NO	**Seal Condition:** N/A
Perservative Type: Ice		**Chain of Custody:** YES	**COC Type:** Client
Sample Temperature(s) in °C (boxes): N/A		**COC Anomaly Details (if applicable):**	
Perservative Type: N/A			
Storage Location: R-1	**All Samples Rec'd:** ☑ YES ☐ NO		

Sample Custodian Signature: _____ **Date:** 8/28/18

Project Manager Signature: _____ **Date:** 8/27/18

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Ranjit Clarke Enthalpy Analytical	**From:**	Tyler D Miller
		AmeriSci Job #:	918082048
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	405783
Email:	incomingreports@enthalpy.com,ranjit.clarke@enthalpy.com		

Date:	Monday, August 27, 2018	**Number of Pages:**	3 (including cover sheet)
Time:	10:20:16		
Comments:			

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **918082048**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

405783

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	LAMW-5S (405783-001)	0.003	7	NSD	NSD	0.59	<0.59	<0.59	----
02	SMBRP-12 (405783-002)	0.01	7	NSD	NSD	0.18	<0.18	<0.18	----
03	MCWP-MW09 (405783-003)	0.02	7	NSD	NSD	0.18	<0.18	<0.18	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/27/2018

Tyler D Miller

9180820 48

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1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 14.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1024476

Project: 405783 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☐ EDD ☐ EDF ☐ EDT
Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/22/18 12:40	LAMW-5S (405783-001)	100.2 Asbestos	
Water	08/22/18 10:30	SMBRP-12 (405783-002)	100.2 Asbestos	
Water	08/22/18 11:30	MCWP-MW09 (405783-003)	100.2 Asbestos	

Note:
5 Day TAT

Relinquished By	Received By:
Date/Time 8/23/18 1330	Date/Time 8/23/18 1330
Date/Time 8/23/18	Date/Time

8/23/18 14:20

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual

Lab Request: 405807
Report Date: 08/31/2018
Date Received: 08/23/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405807-001	SMBRP-13
405807-002	MCWP-MW06

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/23/2018 12:20 **Site:**
Sample #: **405807-001** **Client Sample #:** SMBRP-13 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**19**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/23/2018 09:30 **Site:**
Sample #: **405807-002** **Client Sample #:** MCWP-MW06 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.04	0.5	mg/L		08/30/18	CB	J
Method: EPA 300.0	Prep Method: Method						QCBatchID: QC1194774		
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/23/18	08/23/18 20:43	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/23/18	08/23/18 20:43	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/23/18	08/23/18 20:43	CO	
Method: EPA 351.2	Prep Method: Method						QCBatchID: QC1195007		
Total Kjeldahl Nitrogen	**0.592**	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 2540-C	Prep Method: Method						QCBatchID: QC1194984		
Total Dissolved Solids	**1740**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID: QC1194958		
Ammonia, as Nitrogen	**0.222**	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID: QC1195007		
Total Kjeldahl Nitrogen	**0.592**	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID: QC1195027		
Total Phosphorous as P	**0.404**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**1.240**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

QCBatchID: QC1194774 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194774MB1					
Chloride	ND	mg/L	0.09	1	
Nitrate + Nitrite, as Nitrogen	**0.0352 J**	mg/L	0.017	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	**0.0352 J**	mg/L	0.013	0.1	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194774LCS1											
Chloride	100		99.8		mg/L	100			90-110		
Nitrate, as Nitrogen	9.03		9.04		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.18		mg/L	100			90-110		
Sulfate	50		48.9		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194774MS1, QC1194774MSD1												**Source: 405813-001**
Chloride	104	100	100	193	193	mg/L	89	89	0.0	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	8.97	mg/L	100	99	0.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.46	8.48	mg/L	92	93	0.2	80-120	20	
Sulfate	11.8	50	50	61.5	61.1	mg/L	99	99	0.7	80-120	20	

QCBatchID: QC1194958	Analyst: trinh	Method: SM 4500-NH3-G
Matrix: Water	Analyzed: 08/29/2018	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194958MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958LCS1											
Ammonia, as Nitrogen	5		4.50		mg/L	90			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194958MS1, QC1194958MSD1												**Source: 405807-002**
Ammonia, as Nitrogen	0.222	5	5	5.60	5.58	mg/L	108	107	0.4	80-120	20	

QCBatchID: QC1194984 **Analyst:** tdang **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194984MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194984LCS1											
Total Dissolved Solids	3000		3010		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194984DUP1						**Source: 405811-001**
Total Dissolved Solids	20500	20300	mg/L	1.0	5	

QCBatchID: QC1195007 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195007MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007MS1, QC1195007MSD1												**Source: 405850-001**
Total Kjeldahl Nitrogen	0.287	12.5	12.5	11	12	mg/L	86	94	8.7	80-120	20	

QCBatchID: QC1195027	**Analyst:** tdang	**Method:** SM 4500-P-B-5-E	
Matrix: Water	**Analyzed:** 08/30/2018	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195027MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027LCS1											
Total Phosphorous as P	0.4		0.402		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.230		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027MS1, QC1195027MSD1												**Source: 405783-003**
Total Phosphorous as P	0.372	0.4	0.4	0.700	0.700	mg/L	82	82	0.0	75-125	20	
Total Phosphorous as PO4	1.140	1.23	1.23	2.14	2.14	mg/L	81	81	0.0	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405807				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	See Project Quote
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	P. Doran

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS					Test Instructions / Comments
SMBRP-13	8.23.18	1220	W	1 / 100mL	NA	X	X	X	X	X		PD			
~~MCWP-MW10~~						X	X	X	X	X			PD		
~~SCPE~~						X	X	X	X	X			PD		
~~MBCMW-9~~						X	X	X	X	X			PD		
~~SMBRP-7B~~						X	X	X	X	X			PD		
~~MCWP-MW05~~						X	X	X	X	X				PD	
MCWP-MW06	8.23.18	0930	W	4 / various	various	X	X	X	X	X					

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon	8.23.18 / 1345
[1] Received By:			Enthalpy	8/23/18 1346
[2] Relinquished By:			Enthalpy	8/23/18 1622
[2] Received By:			EA	08/23/18 1622
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - Annual

Date Received: 8/23/18

Sampler's Name Present: ☒ Yes ~~☐ No~~ 8/23/18

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.3 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓	~~✓~~	
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

8/8/23

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: 08/23/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 405808
Report Date: 09/21/2018
Date Received: 08/23/2018
Client ID: 15888

Comments: Malibu - Annual

This report contains all work performed directly by Enthalpy analytical plus all subcontract analyses except for EPA 1694M.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405808-001	SMBRP-9
405808-002	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/23/2018 08:30 **Site:**
Sample #: 405808-001 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**17.7**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194826
Boron	**0.628**	1	0.009	0.05	mg/L	08/27/18	08/27/18	KLN	
Calcium	**48.7**	1	0.038	0.1	mg/L	08/27/18	08/27/18	KLN	
Iron	**0.177**	1	0.012	0.02	mg/L	08/27/18	08/27/18	KLN	
Magnesium	**160**	1	0.016	0.1	mg/L	08/27/18	08/27/18	KLN	
Manganese	**0.003 J**	1	0.001	0.01	mg/L	08/27/18	08/27/18	KLN	J
Potassium	**1.74**	1	0.24	0.5	mg/L	08/27/18	08/27/18	KLN	
Sodium	**393**	1	0.15	0.5	mg/L	08/27/18	08/27/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**1.12 J**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	J
See Attached		1							
Selenium	**3.01**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	
Zinc	**9.84 J**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	J
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194774
Chloride	**200**	10	0.9	10	mg/L	08/23/18	08/27/18 22:24	CO	
Nitrate + Nitrite, as Nitrogen	**17.7**	1	0.017	0.1	mg/L	08/23/18	08/23/18 21:00	CO	
Nitrate, as Nitrogen	**17.7**	1	0.017	0.1	mg/L	08/23/18	08/23/18 21:00	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/23/18	08/23/18 21:00	CO	
Sulfate	**329**	10	0.87	10	mg/L	08/23/18	08/27/18 22:24	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 508 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194797
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/24/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/24/18	LZ	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/23/2018 08:30	**Site:**			
Sample #:	**405808-001**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/24/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/24/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/24/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/24/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/24/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Benzene	**0.40 J**	1	0.124	0.5	ug/L		08/24/18	LZ	J
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/24/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/24/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/24/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/24/18	LZ	
Chloroform	**0.38 J**	1	0.103	0.5	ug/L		08/24/18	LZ	J
Chloromethane	ND	1	0.095	0.5	ug/L		08/24/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/24/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/24/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/24/18	LZ	
m and p-Xylene	**0.38 J**	1	0.278	0.5	ug/L		08/24/18	LZ	J
Methylene chloride	ND	1	0.155	0.5	ug/L		08/24/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/24/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/24/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/24/18	LZ	
Toluene	**0.72**	1	0.142	0.5	ug/L		08/24/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/24/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/24/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/24/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/24/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/24/18	LZ	

Method: EPA 525.2	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 531.1	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 547	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 548.1	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 549.2	Prep Method: Method		QCBatchID:
See Attached		1	

Method: EPA 552.2	Prep Method: See Attached		QCBatchID:
See Attached		1	

Method: EPA 624	Prep Method: 5030B						QCBatchID:	QC1194796
2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/24/18	LZ
Acrolein	ND	1	3.3	5	ug/L		08/24/18	LZ
Acrylonitrile	ND	1	1.6	2	ug/L		08/24/18	LZ

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*103*	*70-135*	
4-Bromofluorobenzene (SUR)	*104*	*70-135*	
Dibromofluoromethane (SUR)	*99*	*70-135*	
Toluene-d8 (SUR)	*100*	*70-135*	

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/23/2018 08:30	**Site:**				
Sample #: **405808-001**	**Client Sample #:** SMBRP-9		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194746
Color	ND	1	5	5	Color Unit		08/23/18 16:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194748
Turbidity	ND	1	0.1	0.1	NTU		08/23/18 16:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194747
Odor Threshold	ND	1	1	1	T.O.N		08/23/18 16:30	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**870**	5	25	25	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.26**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194984
Total Dissolved Solids	**1770**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194902
Total Suspended Solids	**19.2**	1	0.5	0.5	mg/L	08/28/18	08/28/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194750
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/23/18 17:08	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**1.15**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194745
pH	**7.26**	1			pH Units		08/23/18 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194960
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1195007
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**0.370**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**1.130**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1194795
Total Organic Carbon (TOC)	**19.3**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1194831
MBAS	ND	1	0.018	0.04	mg/L	08/24/18 08:45	08/24/18 22:15	TP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/23/2018 08:30	**Site:**			
Sample #:	**405808-001**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**>4800**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/23/2018 12:00 **Site:**
Sample #: **405808-002** **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.66**	1	0.1	0.5	mg/L		08/31/18	SLL	
Method: EPA 100.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1613B Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 1625C Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 1664A Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1194826
Boron	**0.846**	1	0.009	0.05	mg/L	08/27/18	08/27/18	KLN	
Calcium	**181**	1	0.038	0.1	mg/L	08/27/18	08/27/18	KLN	
Iron	**0.057**	1	0.012	0.02	mg/L	08/27/18	08/27/18	KLN	
Magnesium	**102**	1	0.016	0.1	mg/L	08/27/18	08/27/18	KLN	
Manganese	**0.010**	1	0.001	0.01	mg/L	08/27/18	08/27/18	KLN	
Potassium	**2.91**	1	0.24	0.5	mg/L	08/27/18	08/27/18	KLN	
Sodium	**175**	1	0.15	0.5	mg/L	08/27/18	08/27/18	KLN	
Method: EPA 200.8 Prep Method: Method							QCBatchID:		QC1194832
Arsenic	**0.743 J**	1	0.31	2	ug/L	08/27/18	08/27/18	CO	J
See Attached		1							
Selenium	**2.23**	1	0.39	2	ug/L	08/27/18	08/30/18	CO	
Zinc	**7.95 J**	1	2.7	10	ug/L	08/27/18	08/27/18	CO	J
Method: EPA 218.6 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 245.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1194774
Chloride	**238**	10	0.9	10	mg/L	08/23/18	08/27/18 22:42	CO	
Nitrate + Nitrite, as Nitrogen	**1.66**	1	0.017	0.1	mg/L	08/23/18	08/23/18 21:18	CO	
Nitrate, as Nitrogen	**1.66**	1	0.017	0.1	mg/L	08/23/18	08/23/18 21:18	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/23/18	08/23/18 21:18	CO	
Sulfate	**539**	10	0.87	10	mg/L	08/23/18	08/27/18 22:42	CO	
Method: EPA 300.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 314.0 Prep Method: Method							QCBatchID:		QC1194912
Perchlorate	ND	1	1.1	2	ug/L	08/28/18	08/28/18	CO	
Method: EPA 504.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 508 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 515.3 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 524.2 Prep Method: 5030B							QCBatchID:		QC1194797
1,1,1-Trichloroethane	ND	1	0.119	0.5	ug/L		08/24/18	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.223	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichloroethane	ND	1	0.136	0.5	ug/L		08/24/18	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.134	0.5	ug/L		08/24/18	LZ	
1,1-Dichloroethane	ND	1	0.109	0.5	ug/L		08/24/18	LZ	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/23/2018 12:00 **Site:**
Sample #: **405808-002** **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
1,1-Dichloroethene	ND	1	0.144	0.5	ug/L		08/24/18	LZ	
1,2,4-Trichlorobenzene	ND	1	0.162	0.5	ug/L		08/24/18	LZ	
1,2-Dichlorobenzene	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
1,2-Dichloroethane	ND	1	0.113	0.5	ug/L		08/24/18	LZ	
1,2-Dichloropropane	ND	1	0.197	0.5	ug/L		08/24/18	LZ	
1,3-Dichlorobenzene	ND	1	0.176	0.5	ug/L		08/24/18	LZ	
1,4-Dichlorobenzene	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Benzene	ND	1	0.124	0.5	ug/L		08/24/18	LZ	
Bromodichloromethane	ND	1	0.161	0.5	ug/L		08/24/18	LZ	
Bromoform	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
Bromomethane	ND	1	0.185	0.5	ug/L		08/24/18	LZ	
Carbon Tetrachloride	ND	1	0.115	0.5	ug/L		08/24/18	LZ	
Chlorobenzene	ND	1	0.131	0.5	ug/L		08/24/18	LZ	
Chlorodibromomethane	ND	1	0.13	0.5	ug/L		08/24/18	LZ	
Chloroethane	ND	1	0.4	0.5	ug/L		08/24/18	LZ	
Chloroform	ND	1	0.103	0.5	ug/L		08/24/18	LZ	
Chloromethane	ND	1	0.095	0.5	ug/L		08/24/18	LZ	
cis-1,2-Dichloroethene	ND	1	0.114	0.5	ug/L		08/24/18	LZ	
cis-1,3-dichloropropene	ND	1	0.107	0.5	ug/L		08/24/18	LZ	
Ethylbenzene	ND	1	0.149	0.5	ug/L		08/24/18	LZ	
m and p-Xylene	ND	1	0.278	0.5	ug/L		08/24/18	LZ	
Methylene chloride	ND	1	0.155	0.5	ug/L		08/24/18	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.15	0.5	ug/L		08/24/18	LZ	
Styrene	ND	1	0.108	0.5	ug/L		08/24/18	LZ	
Tetrachloroethene	ND	1	0.372	0.5	ug/L		08/24/18	LZ	
Toluene	ND	1	0.142	0.5	ug/L		08/24/18	LZ	
trans-1,2-dichloroethene	ND	1	0.112	0.5	ug/L		08/24/18	LZ	
trans-1,3-dichloropropene	ND	1	0.148	0.5	ug/L		08/24/18	LZ	
Trichloroethene	ND	1	0.239	0.5	ug/L		08/24/18	LZ	
Trichlorofluoromethane	ND	1	0.097	0.5	ug/L		08/24/18	LZ	
Vinyl Chloride	ND	1	0.06	0.5	ug/L		08/24/18	LZ	

Method: EPA 525.2 Prep Method: Method QCBatchID:

See Attached		1							

Method: EPA 531.1 Prep Method: Method QCBatchID:

See Attached		1							

Method: EPA 547 Prep Method: Method QCBatchID:

See Attached		1							

Method: EPA 548.1 Prep Method: Method QCBatchID:

See Attached		1							

Method: EPA 549.2 Prep Method: Method QCBatchID:

See Attached		1							

Method: EPA 552.2 Prep Method: See Attached QCBatchID:

See Attached		1							

Method: EPA 624 Prep Method: 5030B QCBatchID: QC1194796

2-Chloroethyl Vinyl Ether	ND	1	0.23	5	ug/L		08/24/18	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/24/18	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/24/18	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*97*	*70-135*	
4-Bromofluorobenzene (SUR)	*119*	*70-135*	
Dibromofluoromethane (SUR)	*101*	*70-135*	
Toluene-d8 (SUR)	*101*	*70-135*	

Matrix: Water	**Client:** Rincon Consultants - Ventura		**Collector:** Client		
Sampled: 08/23/2018 12:00	**Site:**				
Sample #: **405808-002**	**Client Sample #:** MCWP-MW04D		**Sample Type:**		

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1194746
Color	ND	1	5	5	Color Unit		08/23/18 16:30	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1194748
Turbidity	**0.12**	1	0.1	0.1	NTU		08/23/18 16:30	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1194747
Odor Threshold	ND	1	1	1	T.O.N		08/23/18 16:30	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1194909
Total Alkalinity (as CaCO3)	**290**	2.5	12.5	12.5	mg/L		08/28/18	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1195039
CCPP	**0.33**	1					08/31/18	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194984
Total Dissolved Solids	**1610**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1194902
Total Suspended Solids	**1.5**	1	0.5	0.5	mg/L	08/28/18	08/28/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1194750
Chlorine, Total Residual	ND	1	0.01	0.1	mg/L		08/23/18 17:08	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1194786
Cyanide	ND	1	0.002	0.01	mg/L	08/24/18	08/28/18	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1194883
Fluoride	**0.532**	1	0.005	0.1	mg/L		08/27/18	WW	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1194745
pH	**7.23**	1			pH Units		08/23/18 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194960
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1195007
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**0.140**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.429**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1194795
Total Organic Carbon (TOC)	**5.92**	1	0.203	1	mg/L	08/24/18	08/24/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1194831
MBAS	ND	1	0.018	0.04	mg/L	08/24/18 08:45	08/24/18 22:15	TP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/23/2018 12:00	**Site:**			
Sample #:	**405808-002**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: sm 9223-B-b	Prep Method: Method						QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

QCBatchID:	**QC1194745**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/23/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194745DUP1						**Source: 405812-001**
pH	7.40	7.39	pH Units	0.1	20	

QCBatchID:	**QC1194746**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/23/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194746DUP1						**Source: 405812-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1194747**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/23/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194747DUP1						**Source: 405812-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1194748**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/23/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194748DUP1						**Source: 405812-001**
Turbidity	ND	ND	NTU	0.0	20	

QCBatchID: QC1194750	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 08/23/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194750MB1					
Chlorine, Total Residual	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194750LCS1											
Chlorine, Total Residual	1		0.95		mg/L	95			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194750DUP1						**Source: 405803-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID: QC1194774 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/23/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194774MB1					
Chloride	ND	mg/L	0.09	1	
Nitrate + Nitrite, as Nitrogen	**0.0352 J**	mg/L	0.017	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	**0.0352 J**	mg/L	0.013	0.1	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194774LCS1											
Chloride	100		99.8		mg/L	100			90-110		
Nitrate, as Nitrogen	9.03		9.04		mg/L	100			90-110		
Nitrite, as Nitrogen	9.15		9.18		mg/L	100			90-110		
Sulfate	50		48.9		mg/L	98			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194774MS1, QC1194774MSD1												**Source: 405813-001**
Chloride	104	100	100	193	193	mg/L	89	89	0.0	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	8.97	mg/L	100	99	0.3	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.46	8.48	mg/L	92	93	0.2	80-120	20	
Sulfate	11.8	50	50	61.5	61.1	mg/L	99	99	0.7	80-120	20	

QCBatchID: QC1194786 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194786MB1					
Cyanide	ND	mg/L	0.002	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786LCS1											
Cyanide	0.2		0.20		mg/L	100			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194786MS1, QC1194786MSD1												**Source: 405808-001**
Cyanide	ND	0.2	0.2	0.19	0.19	mg/L	95	95	0.0	80-120	20	

QCBatchID: QC1194795 **Analyst:** tdang **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194795MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.203	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194795LCS1											
Total Organic Carbon (TOC)	10		10.5		mg/L	105			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194795MS1, QC1194795MSD1												**Source: 405649-001**
Total Organic Carbon (TOC)	0.85	20	20	19.6	20.1	mg/L	94	96	2.5	80-120	20	

QCBatchID: QC1194796 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194796MB1					
1,1,1-Trichloroethane	ND	ug/L	0.063	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.063	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.045	0.5	
1,1-Dichloroethane	ND	ug/L	0.078	0.5	
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.051	0.5	
1,2-Dichloroethane	ND	ug/L	0.066	0.5	
1,2-Dichloropropane	ND	ug/L	0.06	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.052	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.12	0.5	
2-Butanone (MEK)	ND	ug/L	0.3	5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	5	
Acetone	ND	ug/L	0.2	10	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Bromodichloromethane	ND	ug/L	0.06	0.5	
Bromoform	ND	ug/L	0.053	0.5	
Bromomethane	ND	ug/L	0.13	1	
Carbon Tetrachloride	ND	ug/L	0.045	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Chlorodibromomethane	ND	ug/L	0.045	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.044	0.5	
Chloromethane	ND	ug/L	0.055	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.061	0.5	
Dichlorodifluoromethane	ND	ug/L	0.062	0.5	
Ethylbenzene	ND	ug/L	0.091	0.5	
Methylene chloride	ND	ug/L	0.15	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.068	0.5	
Tetrachloroethene	ND	ug/L	0.15	0.5	
Toluene	ND	ug/L	0.078	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.17	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.056	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	
Trichlorofluoromethane	ND	ug/L	0.06	0.5	
Vinyl Chloride	ND	ug/L	0.08	0.5	
Xylenes (Total)	ND	ug/L	0.25	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194796LCS1											
1,1-Dichloroethene	50		57		ug/L	114			59-172		
Benzene	50		56		ug/L	112			62-137		
Chlorobenzene	50		55		ug/L	110			60-133		
Toluene	50		56		ug/L	112			59-139		
Trichloroethene	50		58		ug/L	116			66-142		

QCBatchID:	**QC1194796**	**Analyst:**	lucy	**Method:**	EPA 624
Matrix:	Water	**Analyzed:**	08/24/2018	**Instrument:**	VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194796MS1, QC1194796MSD1												**Source: 405808-001**
1,1-Dichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	59-172	22	
Benzene	0.400	50	50	56	56	ug/L	111	111	0.0	62-137	24	
Chlorobenzene	ND	50	50	56	55	ug/L	112	110	1.8	60-133	21	
Toluene	0.720	50	50	56	56	ug/L	111	111	0.0	59-139	21	
Trichloroethene	ND	50	50	58	58	ug/L	116	116	0.0	66-142	21	

QCBatchID: QC1194797	**Analyst:** lucy	**Method:** EPA 524.2	
Matrix: Water	**Analyzed:** 08/24/2018	**Instrument:** VOA-MS (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194797MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.132	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.119	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.223	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.136	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.134	0.5	
1,1-Dichloroethane	ND	ug/L	0.109	0.5	
1,1-Dichloroethene	ND	ug/L	0.144	0.5	
1,1-Dichloropropene	ND	ug/L	0.152	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.224	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.162	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.094	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.228	0.5	
1,2-Dibromoethane	ND	ug/L	0.116	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.161	0.5	
1,2-Dichloroethane	ND	ug/L	0.113	0.5	
1,2-Dichloropropane	ND	ug/L	0.197	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.153	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.176	0.5	
1,3-Dichloropropane	ND	ug/L	0.134	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.185	0.5	
2,2-Dichloropropane	ND	ug/L	0.218	0.5	
2-Chlorotoluene	ND	ug/L	0.177	0.5	
4-Chlorotoluene	ND	ug/L	0.172	0.5	
4-Isopropyltoluene	ND	ug/L	0.112	0.5	
Benzene	ND	ug/L	0.124	0.5	
Bromobenzene	ND	ug/L	0.207	0.5	
Bromochloromethane	ND	ug/L	0.129	0.5	
Bromodichloromethane	ND	ug/L	0.161	0.5	
Bromoform	ND	ug/L	0.142	0.5	
Bromomethane	ND	ug/L	0.185	0.5	
Carbon Tetrachloride	ND	ug/L	0.115	0.5	
Chlorobenzene	ND	ug/L	0.131	0.5	
Chlorodibromomethane	ND	ug/L	0.13	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.103	0.5	
Chloromethane	ND	ug/L	0.095	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.114	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.107	0.5	
Dibromomethane	ND	ug/L	0.133	0.5	
Dichlorodifluoromethane	ND	ug/L	0.224	0.5	
Ethylbenzene	ND	ug/L	0.149	0.5	
Hexachlorobutadiene	ND	ug/L	0.197	0.5	
Isopropylbenzene	ND	ug/L	0.129	0.5	
m and p-Xylene	ND	ug/L	0.278	0.5	
Methylene chloride	ND	ug/L	0.155	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.15	0.5	
Naphthalene	ND	ug/L	0.061	0.5	
N-butylbenzene	ND	ug/L	0.163	0.5	
N-propylbenzene	ND	ug/L	0.134	0.5	
o-Xylene	ND	ug/L	0.148	0.5	
Sec-butylbenzene	ND	ug/L	0.124	0.5	
Styrene	ND	ug/L	0.108	0.5	

QCBatchID: QC1194797 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194797MB1					
Tert-butylbenzene	ND	ug/L	0.139	0.5	
Tetrachloroethene	ND	ug/L	0.372	0.5	
Toluene	ND	ug/L	0.142	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.112	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.148	0.5	
Trichloroethene	ND	ug/L	0.239	0.5	
Trichlorofluoromethane	ND	ug/L	0.097	0.5	
Vinyl Chloride	ND	ug/L	0.06	0.5	
Xylenes (Total)	ND	ug/L	0.278	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194797LCS1											
1,1-Dichloroethene	50		54		ug/L	108			59-172		
Benzene	50		54		ug/L	108			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Methyl-t-butyl Ether (MTBE)	50		45		ug/L	90			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194797MS1												**Source: 405858-002**
1,1-Dichloroethene	ND	50		53		ug/L	106			59-172		
Benzene	ND	50		53		ug/L	106			62-137		
Chlorobenzene	ND	50		53		ug/L	106			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		45		ug/L	90			62-137		
Toluene	ND	50		53		ug/L	106			59-139		
Trichloroethene	ND	50		54		ug/L	108			66-142		

QCBatchID: QC1194826 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194826MB1					
Arsenic	**0.006 J**	mg/L	0.004	0.01	
Boron	ND	mg/L	0.009	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Calcium	ND	mg/L	0.038	0.1	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.001	0.01	
Iron	ND	mg/L	0.012	0.02	
Lead	ND	mg/L	0.004	0.01	
Magnesium	**0.060 J**	mg/L	0.016	0.1	
Manganese	ND	mg/L	0.001	0.01	
Nickel	ND	mg/L	0.001	0.01	
Potassium	ND	mg/L	0.24	0.5	
Silver	ND	mg/L	0.002	0.005	
Sodium	ND	mg/L	0.15	0.5	
Zinc	**0.003 J**	mg/L	0.002	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194826LCS1											
Arsenic	2		1.76		mg/L	88			85-115		
Boron	2		1.87		mg/L	94			85-115		
Cadmium	2		1.76		mg/L	88			85-115		
Calcium	20		19.8		mg/L	99			85-115		
Chromium	2		1.87		mg/L	94			85-115		
Copper	2		1.79		mg/L	90			85-115		
Iron	2		1.95		mg/L	98			85-115		
Lead	2		1.79		mg/L	90			85-115		
Magnesium	20		20.3		mg/L	102			85-115		
Manganese	2		1.95		mg/L	98			85-115		
Nickel	2		1.87		mg/L	94			85-115		
Potassium	38		33.5		mg/L	88			85-115		
Silver	2		1.80		mg/L	90			85-115		
Sodium	20		18.6		mg/L	93			85-115		
Zinc	2		1.84		mg/L	92			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194826MS1												**Source: 405796-001**
Arsenic	0.014	1		0.955		mg/L	94			75-125		
Boron	1.43	1		2.49		mg/L	106			75-125		
Cadmium	ND	1		0.874		mg/L	87			75-125		
Calcium	480	20		516		mg/L	180			75-125		M
Chromium	0.005	1		0.964		mg/L	96			75-125		
Copper	0.010	1		0.958		mg/L	95			75-125		
Iron	0.027	1		0.964		mg/L	94			75-125		
Lead	0.009	1		0.903		mg/L	89			75-125		
Magnesium	223	20		252		mg/L	145			75-125		M
Manganese	0.008	1		1.01		mg/L	100			75-125		
Nickel	0.004	1		0.934		mg/L	93			75-125		
Potassium	29.7	29		59.1		mg/L	101			75-125		

QCBatchID: QC1194826 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194826MS1												**Source: 405796-001**
Silver	ND	0.5		0.976		mg/L	195			75-125		M
Sodium	456	20		513		mg/L	285			75-125		M
Zinc	0.017	1		0.942		mg/L	93			75-125		
QC1194826MS2												**Source: 405800-001**
Arsenic	0.024	1		1.00		mg/L	98			75-125		
Boron	0.506	1		1.51		mg/L	100			75-125		
Cadmium	ND	1		0.925		mg/L	93			75-125		
Calcium	355	20		373		mg/L	90			75-125		
Chromium	0.005	1		0.997		mg/L	99			75-125		
Copper	0.004	1		0.945		mg/L	94			75-125		
Iron	0.080	1		1.09		mg/L	101			75-125		
Lead	0.008	1		0.967		mg/L	96			75-125		
Magnesium	111	20		135		mg/L	120			75-125		
Manganese	0.002	1		1.03		mg/L	103			75-125		
Nickel	ND	1		0.953		mg/L	95			75-125		
Potassium	3.80	29		32.3		mg/L	98			75-125		
Silver	ND	1		0.984		mg/L	99			75-125		
Sodium	78.1	20		98.8		mg/L	104			75-125		
Zinc	0.006	1		0.975		mg/L	97			75-125		

QCBatchID: QC1194831 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194831MB1					
MBAS	ND	mg/L	0.018	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194831LCS1											
MBAS	1		0.99		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194831MS1, QC1194831MSD1												**Source: 405839-001**
MBAS	ND	1	1	1.1	1.1	mg/L	110	110	0.0	75-125	20	

QCBatchID: QC1194832 **Analyst:** cota **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194832MB1					
Arsenic	ND	ug/L	0.31	2	
Selenium	ND	ug/L	0.39	2	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832LCS1											
Arsenic	50		54.8		ug/L	110			85-115		
Selenium	50		49.5		ug/L	99			85-115		
Zinc	50		56.0		ug/L	112			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194832MS1												**Source: 405808-001**
Arsenic	1.12	50		53.5		ug/L	105			70-130		
Selenium	3.01	50		50.3		ug/L	95			70-130		
Zinc	9.84	50		60.9		ug/L	115			70-130		
QC1194832MS2												**Source: 405808-002**
Arsenic	0.743	50		56.5		ug/L	112			70-130		
Selenium	2.23	50		51.7		ug/L	99			70-130		
Zinc	7.95	50		58.9		ug/L	102			70-130		

QCBatchID: QC1194883 **Analyst:** wei **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/27/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194883MB1					
Fluoride	ND	mg/L	0.005	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194883LCS1											
Fluoride	1		0.965		mg/L	97			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194883MS1, QC1194883MSD1												**Source: 405808-001**
Fluoride	1.15	1	1	2.08	2.13	mg/L	93	98	2.4	75-125	20	

QCBatchID:	**QC1194902**	**Analyst:**	trinh	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/28/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194902MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194902DUP1						**Source: 405666-007**
Total Suspended Solids	1490	1500	mg/L	0.7	5	

QCBatchID: QC1194909	**Analyst:** wei	**Method:** SM 2320-B	
Matrix: Water	**Analyzed:** 08/28/2018	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194909MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	5	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194909LCS1											
Total Alkalinity (as CaCO3)	25000		24000		mg/L	96			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194909DUP1						**Source: 405808-001**
Total Alkalinity (as CaCO3)	870	850	mg/L	2.3	20	

QCBatchID: QC1194912	**Analyst:** cota		**Method:** EPA 314.0		
Matrix: Water	**Analyzed:** 08/28/2018		**Instrument:** AAICP (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194912MB1					
Perchlorate	ND	ug/L	1.1	2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194912LCS1											
Perchlorate	50		48		ug/L	96			85-115		

QCBatchID: QC1194960 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/29/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194960MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194960LCS1											
Ammonia, as Nitrogen	5		4.65		mg/L	93			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194960MS1, QC1194960MSD1												**Source: 405808-001**
Ammonia, as Nitrogen	ND	5	5	4.42	4.44	mg/L	88	89	0.5	80-120	20	

QCBatchID: QC1194984 **Analyst:** tdang **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194984MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194984LCS1											
Total Dissolved Solids	3000		3010		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194984DUP1						**Source: 405811-001**
Total Dissolved Solids	20500	20300	mg/L	1.0	5	

QCBatchID: QC1195007 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195007MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007MS1, QC1195007MSD1												**Source: 405850-001**
Total Kjeldahl Nitrogen	0.287	12.5	12.5	11	12	mg/L	86	94	8.7	80-120	20	

QCBatchID: QC1195027 **Analyst:** tdang **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195027MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027LCS1											
Total Phosphorous as P	0.4		0.402		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.230		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027MS1, QC1195027MSD1												**Source: 405783-003**
Total Phosphorous as P	0.372	0.4	0.4	0.700	0.700	mg/L	82	82	0.0	75-125	20	
Total Phosphorous as PO4	1.140	1.23	1.23	2.14	2.14	mg/L	81	81	0.0	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405808	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBRTALIK@RinconConsultants.Com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	P. DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X	X	X	PD
SMBRP-9	8.23.18	0830	W	VARIOUS	Various	X	X	X	X	X	X	X	X	X	X	
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	PD
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	PD
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	PD
MCWP-MW04D	8.23.18	1200	W	VARIOUS	Various	X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	PD
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	PD
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	PD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon	8.23.18 / 1345
[1] Received By:			Enthalpy	8/23/18 1346
[2] Relinquished By:			Enthalpy	8/23/18 1622
[2] Received By:			EA	08/23/18 1622
[3] Relinquished By:				

5/11.7 4/11.2 4/6/19 6.0/0.9

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405806	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	SEE PAGE ONE
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	P. DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X	X	X	P7
SMBRP-9	8.23.18	0930	W	VARIOUS		X	X	X	X	X	X	X	X	X	X	
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	P7
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	P7
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	P7
MCWP-MW04D	8.23.18	0920	W	VARIOUS		X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	P7
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	P7
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	P7

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	RINCON	8.23.18/ 1345
[1] Received By:			enthalpy	8/23/18 1346
[2] Relinquished By:			ENT	
[2] Received By:			ENT	08/23/18 1622
[3] Relinquished By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405808	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	SEE PAGE ONE
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	P. DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Analysis Request	Test Instructions / Comments
~~LAMW-5S~~						X	X	PM	
SMBRP-9	8.23.18	0830	W	VARIOUS		X	X		
~~SMBRP-11~~						X	X	PM	
~~SMBRP-12~~						X	X	PM	
~~MCWP-MW04S~~						X	X	PM	
MCWP-MW04D	8.23.18	1200	W	VARIOUS		X	X		
~~MCWP-MW07S~~						X	X	PM	
~~MCWP-MW07D~~						X	X	PM	
~~MCWP-MW09~~						X	X	PM	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	RINCON	8.23.18 / 1345
[1] Received By:			DNA Laboratory	8/23/18 1346
[2] Relinquished By:			Enthalpy	8/23/18 1622
[2] Received By:		Valeria Romero	EPA	08/23/18 1622
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu - annual

Date Received: 8/23/18

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 4 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.2 #2: 4.2 #3: 4.6 #4: 6.0

(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: 1.7 #2: 1.3 #3: 1.9 #4: 0.9

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 08/23/18

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8H24014

Project: 405808

Attn: Albert Vargas

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/19/2018
Received Date: 8/24/2018
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1024485
Billing Code:

Dear Albert Vargas,

Enclosed are the results of analyses for samples received 8/24/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Case Narrative

Partial Report: This is a final but incomplete report. Additional partial report(s) or a complete report may be issued to complete the order. 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 NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report and counterpart partial report(s) must be reproduced in its entirety.

Sample Results

Sample: SMBRP-9(405808-001) — Sampled: 08/23/18 8:30 by Client
8H24014-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1654 **Instr:** GCMS09 **Prepared:** 08/28/18 11:49 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/29/18 19:38	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/28/18 13:23	M-05
Chlorite	ND	50	ug/l	5	08/28/18 13:23	M-05
Surrogate(s)						
Dichloroacetate	*118%*	*90-115*	*Conc: 591*		*08/28/18 13:23*	*S-03*
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 22:44	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 22:44	
Method: EPA 508 **Batch ID:** W8H1618 **Instr:** GC07 **Prepared:** 08/28/18 08:09 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	09/05/18 01:02	
4,4´-DDE	ND	0.010	ug/l	1	09/05/18 01:02	
4,4´-DDT	ND	0.010	ug/l	1	09/05/18 01:02	
Aldrin	ND	0.010	ug/l	1	09/05/18 01:02	

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Sample Results

(Continued)

Sample: SMBRP-9(405808-001)
8H24014-01 (Water)

Sampled: 08/23/18 8:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1618 **Instr:** GC07		**Prepared:** 08/28/18 08:09			**Analyst:** rmr	
alpha-BHC	ND	0.010	ug/l	1	09/05/18 01:02	
Aroclor 1016	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1221	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1232	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1242	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1248	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1254	ND	0.10	ug/l	1	09/05/18 01:02	
Aroclor 1260	ND	0.10	ug/l	1	09/05/18 01:02	
beta-BHC	ND	0.010	ug/l	1	09/05/18 01:02	
Chlordane (tech)	ND	0.10	ug/l	1	09/05/18 01:02	
Chlorothalonil	ND	0.050	ug/l	1	09/05/18 01:02	
delta-BHC	ND	0.010	ug/l	1	09/05/18 01:02	
Dieldrin	ND	0.010	ug/l	1	09/05/18 01:02	
Endosulfan I	ND	0.010	ug/l	1	09/05/18 01:02	
Endosulfan II	ND	0.010	ug/l	1	09/05/18 01:02	
Endosulfan sulfate	ND	0.010	ug/l	1	09/05/18 01:02	
Endrin	ND	0.010	ug/l	1	09/05/18 01:02	
Endrin aldehyde	ND	0.010	ug/l	1	09/05/18 01:02	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/05/18 01:02	
Heptachlor	ND	0.010	ug/l	1	09/05/18 01:02	
Heptachlor epoxide	ND	0.010	ug/l	1	09/05/18 01:02	
Hexachlorobenzene	ND	0.050	ug/l	1	09/05/18 01:02	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/05/18 01:02	
Methoxychlor	ND	0.010	ug/l	1	09/05/18 01:02	
PCBs, Total	ND	0.50	ug/l	1	09/05/18 01:02	
Propachlor	ND	0.050	ug/l	1	09/05/18 01:02	
Toxaphene	ND	0.50	ug/l	1	09/05/18 01:02	
Trifluralin	ND	0.010	ug/l	1	09/05/18 01:02	
Surrogate(s)						
Decachlorobiphenyl	*88%*	*70-130*	*Conc: 0.0882*		*09/05/18 01:02*	
Tetrachloro-meta-xylene	*89%*	*70-130*	*Conc: 0.0891*		*09/05/18 01:02*	
Method: EPA 515.3 **Batch ID:** W8I0012 **Instr:** GC08		**Prepared:** 09/04/18 07:50			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/11/18 03:43	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/11/18 03:43	
2,4-D	ND	0.40	ug/l	1	09/11/18 03:43	
2,4-DB	ND	2.0	ug/l	1	09/11/18 03:43	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/11/18 03:43	
Acifluorfen	ND	0.40	ug/l	1	09/11/18 03:43	
Bentazon	ND	2.0	ug/l	1	09/11/18 03:43	
Dalapon	ND	0.40	ug/l	1	09/11/18 03:43	
DCPA	ND	0.10	ug/l	1	09/11/18 03:43	

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Sample Results

(Continued)

Sample: SMBRP-9(405808-001)
8H24014-01 (Water)

Sampled: 08/23/18 8:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 515.3 (Continued) **Batch ID:** W8I0012 **Instr:** GC08		**Prepared:** 09/04/18 07:50			**Analyst:** rmr	
Dicamba	ND	0.60	ug/l	1	09/11/18 03:43	
Dichloroprop	ND	0.30	ug/l	1	09/11/18 03:43	
Dinoseb	ND	0.40	ug/l	1	09/11/18 03:43	
Pentachlorophenol	ND	0.20	ug/l	1	09/11/18 03:43	
Picloram	ND	0.60	ug/l	1	09/11/18 03:43	
Surrogate(s)						
2,4-DCAA	*108%*	*70-130*	*Conc: 10.8*		*09/11/18 03:43*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 00:50	
Atrazine	ND	0.10	ug/l	1	09/06/18 00:50	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 00:50	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 00:50	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 00:50	
Bromacil	ND	0.50	ug/l	1	09/06/18 00:50	
Butachlor	ND	0.10	ug/l	1	09/06/18 00:50	
Captan	ND	1.0	ug/l	1	09/06/18 00:50	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 00:50	
Cyanazine	ND	0.10	ug/l	1	09/06/18 00:50	
Diazinon	ND	0.10	ug/l	1	09/06/18 00:50	
Dimethoate	ND	0.20	ug/l	1	09/06/18 00:50	
Diphenamid	ND	0.10	ug/l	1	09/06/18 00:50	
Disulfoton	ND	0.10	ug/l	1	09/06/18 00:50	
EPTC	ND	0.10	ug/l	1	09/06/18 00:50	
Metolachlor	ND	0.10	ug/l	1	09/06/18 00:50	
Metribuzin	ND	0.10	ug/l	1	09/06/18 00:50	
Molinate	ND	0.10	ug/l	1	09/06/18 00:50	
Prometon	ND	0.10	ug/l	1	09/06/18 00:50	
Prometryn	ND	0.10	ug/l	1	09/06/18 00:50	
Simazine	ND	0.10	ug/l	1	09/06/18 00:50	
Terbacil	ND	2.0	ug/l	1	09/06/18 00:50	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 00:50	
Trithion	ND	0.10	ug/l	1	09/06/18 00:50	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*111%*	*70-130*	*Conc: 5.54*		*09/06/18 00:50*	
Perylene-d12	*43%*	*50-120*	*Conc: 2.17*		*09/06/18 00:50*	*S-GC*
Triphenyl phosphate	*106%*	*70-130*	*Conc: 5.32*		*09/06/18 00:50*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 12:20	
Aldicarb	ND	2.0	ug/l	1	08/29/18 12:20	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 12:20	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 12:20	

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Sample Results

(Continued)

Sample: SMBRP-9(405808-001)
8H24014-01 (Water)

Sampled: 08/23/18 8:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 531.1 (Continued) **Batch ID:** W8H1676 **Instr:** LC10		**Prepared:** 08/28/18 14:39			**Analyst:** blg	
Carbaryl	ND	2.0	ug/l	1	08/29/18 12:20	
Carbofuran	ND	2.0	ug/l	1	08/29/18 12:20	
Methiocarb	ND	2.0	ug/l	1	08/29/18 12:20	
Methomyl	ND	2.0	ug/l	1	08/29/18 12:20	
Oxamyl	ND	2.0	ug/l	1	08/29/18 12:20	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 12:20	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10		**Prepared:** 08/23/18 14:30			**Analyst:** blg	
Glyphosate	ND	5.0	ug/l	1	08/24/18 17:58	
Method: EPA 548.1 **Batch ID:** W8H1517 **Instr:** GCMS06		**Prepared:** 08/27/18 15:37			**Analyst:** etn	
Endothall	ND	40	ug/l	1	08/30/18 14:07	
Method: EPA 549.2 **Batch ID:** W8H1717 **Instr:** LC11		**Prepared:** 08/29/18 08:44			**Analyst:** blg	
Diquat	ND	2.0	ug/l	1	09/06/18 19:13	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05		**Prepared:** 08/27/18 07:53			**Analyst:** cam	
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 11:19	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 11:19	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 11:19	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 11:19	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 11:19	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 11:19	
Surrogate(s)						
2,3-Dibromopropionic acid	*118%*	*70-130*	*Conc: 11.8*		*08/28/18 11:19*	
Method: EPA 625 **Batch ID:** W8H1519 **Instr:** GCMS06		**Prepared:** 08/27/18 08:39			**Analyst:** etn	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/14/18 22:27	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/14/18 22:27	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/14/18 22:27	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/14/18 22:27	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/14/18 22:27	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/14/18 22:27	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/14/18 22:27	
2-Chlorophenol	ND	1.0	ug/l	1	09/14/18 22:27	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/14/18 22:27	
2-Nitrophenol	ND	1.0	ug/l	1	09/14/18 22:27	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/14/18 22:27	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/14/18 22:27	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/14/18 22:27	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/14/18 22:27	

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Sample Results

(Continued)

Sample: SMBRP-9(405808-001)
8H24014-01 (Water)

Sampled: 08/23/18 8:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1519 **Instr:** GCMS06 **Prepared:** 08/27/18 08:39 **Analyst:** etn						
4-Nitrophenol	ND	2.0	ug/l	1	09/14/18 22:27	
Acenaphthene	ND	1.0	ug/l	1	09/14/18 22:27	
Acenaphthylene	ND	1.0	ug/l	1	09/14/18 22:27	
Anthracene	ND	1.0	ug/l	1	09/14/18 22:27	
Benzidine	ND	10	ug/l	1	09/14/18 22:27	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/14/18 22:27	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/14/18 22:27	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/14/18 22:27	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/14/18 22:27	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/14/18 22:27	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/14/18 22:27	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/14/18 22:27	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/14/18 22:27	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/14/18 22:27	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/14/18 22:27	
Chrysene	ND	1.0	ug/l	1	09/14/18 22:27	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/14/18 22:27	
Diethyl phthalate	ND	1.0	ug/l	1	09/14/18 22:27	
Dimethyl phthalate	ND	1.0	ug/l	1	09/14/18 22:27	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/14/18 22:27	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/14/18 22:27	
Fluoranthene	ND	1.0	ug/l	1	09/14/18 22:27	
Fluorene	ND	1.0	ug/l	1	09/14/18 22:27	
Hexachlorobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/14/18 22:27	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/14/18 22:27	
Hexachloroethane	ND	1.0	ug/l	1	09/14/18 22:27	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/14/18 22:27	
Isophorone	ND	1.0	ug/l	1	09/14/18 22:27	
Naphthalene	ND	1.0	ug/l	1	09/14/18 22:27	
Nitrobenzene	ND	1.0	ug/l	1	09/14/18 22:27	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/14/18 22:27	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/14/18 22:27	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/14/18 22:27	
Pentachlorophenol	ND	1.0	ug/l	1	09/14/18 22:27	
Phenanthrene	ND	1.0	ug/l	1	09/14/18 22:27	
Phenol	ND	1.0	ug/l	1	09/14/18 22:27	
Pyrene	ND	1.0	ug/l	1	09/14/18 22:27	
Surrogate(s)						
2,4,6-Tribromophenol	*67%*	*25-102*	*Conc: 33.7*		*09/14/18 22:27*	
2-Fluorobiphenyl	*63%*	*22-107*	*Conc: 15.7*		*09/14/18 22:27*	

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Sample Results

(Continued)

Sample: SMBRP-9(405808-001)
8H24014-01 (Water)

Sampled: 08/23/18 8:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1519 **Instr:** GCMS06 **Prepared:** 08/27/18 08:39 **Analyst:** etn						
2-Fluorophenol	*42%*	*3-74*	*Conc: 21.2*		*09/14/18 22:27*	
Nitrobenzene-d5	*62%*	*27-111*	*Conc: 15.6*		*09/14/18 22:27*	
Phenol-d5	*26%*	*0.1-53*	*Conc: 13.1*		*09/14/18 22:27*	
Terphenyl-d14	*81%*	*28-113*	*Conc: 20.2*		*09/14/18 22:27*	

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Sample Results

(Continued)

Sample: MCWP-MW04D(405808-002) Sampled: 08/23/18 12:00 by Client

8H24014-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W8H1654 **Instr:** GCMS09 **Prepared:** 08/28/18 11:49 **Analyst:** mld						
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/29/18 20:08	
Method: EPA 300.1 **Batch ID:** W8H1526 **Instr:** LC08_Chan **Prepared:** 08/27/18 09:05 **Analyst:** dil						
Bromate	ND	25	ug/l	5	08/28/18 13:49	M-05
Chlorite	ND	50	ug/l	5	08/28/18 13:49	M-05
Surrogate(s)						
Dichloroacetate	*96%*	*90-115*	*Conc: 479*		*08/28/18 13:49*	
Method: EPA 504.1 **Batch ID:** W8H1645 **Instr:** GC03 **Prepared:** 08/28/18 15:44 **Analyst:** joh						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/28/18 23:05	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/28/18 23:05	
Method: EPA 508 **Batch ID:** W8H1618 **Instr:** GC07 **Prepared:** 08/28/18 08:09 **Analyst:** rmr						
4,4´-DDD	ND	0.010	ug/l	1	09/05/18 01:32	
4,4´-DDE	ND	0.010	ug/l	1	09/05/18 01:32	
4,4´-DDT	ND	0.010	ug/l	1	09/05/18 01:32	
Aldrin	ND	0.010	ug/l	1	09/05/18 01:32	
alpha-BHC	ND	0.010	ug/l	1	09/05/18 01:32	
Aroclor 1016	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1221	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1232	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1242	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1248	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1254	ND	0.10	ug/l	1	09/05/18 01:32	
Aroclor 1260	ND	0.10	ug/l	1	09/05/18 01:32	
beta-BHC	ND	0.010	ug/l	1	09/05/18 01:32	
Chlordane (tech)	ND	0.10	ug/l	1	09/05/18 01:32	
Chlorothalonil	ND	0.050	ug/l	1	09/05/18 01:32	
delta-BHC	ND	0.010	ug/l	1	09/05/18 01:32	
Dieldrin	ND	0.010	ug/l	1	09/05/18 01:32	
Endosulfan I	ND	0.010	ug/l	1	09/05/18 01:32	
Endosulfan II	ND	0.010	ug/l	1	09/05/18 01:32	
Endosulfan sulfate	ND	0.010	ug/l	1	09/05/18 01:32	
Endrin	ND	0.010	ug/l	1	09/05/18 01:32	
Endrin aldehyde	ND	0.010	ug/l	1	09/05/18 01:32	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/05/18 01:32	
Heptachlor	ND	0.010	ug/l	1	09/05/18 01:32	
Heptachlor epoxide	ND	0.010	ug/l	1	09/05/18 01:32	
Hexachlorobenzene	ND	0.050	ug/l	1	09/05/18 01:32	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/05/18 01:32	
Methoxychlor	ND	0.010	ug/l	1	09/05/18 01:32	
PCBs, Total	ND	0.50	ug/l	1	09/05/18 01:32	
Propachlor	ND	0.050	ug/l	1	09/05/18 01:32	
Toxaphene	ND	0.50	ug/l	1	09/05/18 01:32	

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Sample Results

(Continued)

Sample: MCWP-MW04D(405808-002) Sampled: 08/23/18 12:00 by Client

8H24014-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 508 (Continued) **Batch ID:** W8H1618 **Instr:** GC07		**Prepared:** 08/28/18 08:09			**Analyst:** rmr	
Trifluralin	ND	0.010	ug/l	1	09/05/18 01:32	
Surrogate(s)						
Decachlorobiphenyl	*97%*	*70-130*	*Conc: 0.0970*		*09/05/18 01:32*	
Tetrachloro-meta-xylene	*95%*	*70-130*	*Conc: 0.0953*		*09/05/18 01:32*	
Method: EPA 515.3 **Batch ID:** W8I0012 **Instr:** GC08		**Prepared:** 09/04/18 07:50			**Analyst:** rmr	
2,4,5-T	ND	0.20	ug/l	1	09/11/18 04:19	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/11/18 04:19	
2,4-D	ND	0.40	ug/l	1	09/11/18 04:19	
2,4-DB	ND	2.0	ug/l	1	09/11/18 04:19	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/11/18 04:19	
Acifluorfen	ND	0.40	ug/l	1	09/11/18 04:19	
Bentazon	ND	2.0	ug/l	1	09/11/18 04:19	
Dalapon	ND	0.40	ug/l	1	09/11/18 04:19	
DCPA	ND	0.10	ug/l	1	09/11/18 04:19	
Dicamba	ND	0.60	ug/l	1	09/11/18 04:19	
Dichloroprop	ND	0.30	ug/l	1	09/11/18 04:19	
Dinoseb	ND	0.40	ug/l	1	09/11/18 04:19	
Pentachlorophenol	ND	0.20	ug/l	1	09/11/18 04:19	
Picloram	ND	0.60	ug/l	1	09/11/18 04:19	
Surrogate(s)						
2,4-DCAA	*108%*	*70-130*	*Conc: 10.8*		*09/11/18 04:19*	
Method: EPA 525.2 **Batch ID:** W8H1513 **Instr:** GCMS16		**Prepared:** 08/27/18 08:31			**Analyst:** etn	
Alachlor	ND	0.10	ug/l	1	09/06/18 01:18	
Atrazine	ND	0.10	ug/l	1	09/06/18 01:18	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/06/18 01:18	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/06/18 01:18	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/06/18 01:18	
Bromacil	ND	0.50	ug/l	1	09/06/18 01:18	
Butachlor	ND	0.10	ug/l	1	09/06/18 01:18	
Captan	ND	1.0	ug/l	1	09/06/18 01:18	
Chlorpropham	ND	0.10	ug/l	1	09/06/18 01:18	
Cyanazine	ND	0.10	ug/l	1	09/06/18 01:18	
Diazinon	ND	0.10	ug/l	1	09/06/18 01:18	
Dimethoate	ND	0.20	ug/l	1	09/06/18 01:18	
Diphenamid	ND	0.10	ug/l	1	09/06/18 01:18	
Disulfoton	ND	0.10	ug/l	1	09/06/18 01:18	
EPTC	ND	0.10	ug/l	1	09/06/18 01:18	
Metolachlor	ND	0.10	ug/l	1	09/06/18 01:18	
Metribuzin	ND	0.10	ug/l	1	09/06/18 01:18	
Molinate	ND	0.10	ug/l	1	09/06/18 01:18	
Prometon	ND	0.10	ug/l	1	09/06/18 01:18	

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Sample Results

(Continued)

Sample: MCWP-MW04D(405808-002) Sampled: 08/23/18 12:00 by Client

8H24014-02 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 525.2 (Continued) **Batch ID:** W8H1513 **Instr:** GCMS16 **Prepared:** 08/27/18 08:31 **Analyst:** etn						
Prometryn	ND	0.10	ug/l	1	09/06/18 01:18	
Simazine	ND	0.10	ug/l	1	09/06/18 01:18	
Terbacil	ND	2.0	ug/l	1	09/06/18 01:18	
Thiobencarb	ND	0.10	ug/l	1	09/06/18 01:18	
Trithion	ND	0.10	ug/l	1	09/06/18 01:18	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*106%*	*70-130*	*Conc: 5.30*		*09/06/18 01:18*	
Perylene-d12	*83%*	*50-120*	*Conc: 4.15*		*09/06/18 01:18*	
Triphenyl phosphate	*107%*	*70-130*	*Conc: 5.36*		*09/06/18 01:18*	
Method: EPA 531.1 **Batch ID:** W8H1676 **Instr:** LC10 **Prepared:** 08/28/18 14:39 **Analyst:** blg						
3-Hydroxycarbofuran	ND	2.0	ug/l	1	08/29/18 12:53	
Aldicarb	ND	2.0	ug/l	1	08/29/18 12:53	
Aldicarb sulfone	ND	2.0	ug/l	1	08/29/18 12:53	
Aldicarb sulfoxide	ND	2.0	ug/l	1	08/29/18 12:53	
Carbaryl	ND	2.0	ug/l	1	08/29/18 12:53	
Carbofuran	ND	2.0	ug/l	1	08/29/18 12:53	
Methiocarb	ND	2.0	ug/l	1	08/29/18 12:53	
Methomyl	ND	2.0	ug/l	1	08/29/18 12:53	
Oxamyl	ND	2.0	ug/l	1	08/29/18 12:53	
Propoxur (Baygon)	ND	2.0	ug/l	1	08/29/18 12:53	
Method: EPA 547 **Batch ID:** W8H1411 **Instr:** LC10 **Prepared:** 08/23/18 14:30 **Analyst:** blg						
Glyphosate	ND	5.0	ug/l	1	08/24/18 18:11	
Method: EPA 548.1 **Batch ID:** W8H1517 **Instr:** GCMS06 **Prepared:** 08/27/18 15:37 **Analyst:** etn						
Endothall	ND	40	ug/l	1	08/30/18 15:28	
Method: EPA 549.2 **Batch ID:** W8H1717 **Instr:** LC11 **Prepared:** 08/29/18 08:44 **Analyst:** blg						
Diquat	ND	2.0	ug/l	1	09/06/18 19:21	
Method: EPA 552.2 **Batch ID:** W8H1508 **Instr:** GC05 **Prepared:** 08/27/18 07:53 **Analyst:** cam						
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/28/18 11:46	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/28/18 11:46	
HAA5, Total	ND	1.0	ug/l	1	08/28/18 11:46	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/28/18 11:46	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/28/18 11:46	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/28/18 11:46	
Surrogate(s)						
2,3-Dibromopropionic acid	*117%*	*70-130*	*Conc: 11.7*		*08/28/18 11:46*	
Method: EPA 625 **Batch ID:** W8H1519 **Instr:** GCMS06 **Prepared:** 08/27/18 08:39 **Analyst:** etn						
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/14/18 22:57	

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Sample Results

(Continued)

Sample: MCWP-MW04D(405808-002)
8H24014-02 (Water)

Sampled: 08/23/18 12:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1519 **Instr:** GCMS06 **Prepared:** 08/27/18 08:39 **Analyst:** etn						
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/14/18 22:57	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/14/18 22:57	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/14/18 22:57	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/14/18 22:57	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/14/18 22:57	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/14/18 22:57	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/14/18 22:57	
2-Chlorophenol	ND	1.0	ug/l	1	09/14/18 22:57	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/14/18 22:57	
2-Nitrophenol	ND	1.0	ug/l	1	09/14/18 22:57	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/14/18 22:57	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/14/18 22:57	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/14/18 22:57	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/14/18 22:57	
4-Nitrophenol	ND	2.0	ug/l	1	09/14/18 22:57	
Acenaphthene	ND	1.0	ug/l	1	09/14/18 22:57	
Acenaphthylene	ND	1.0	ug/l	1	09/14/18 22:57	
Anthracene	ND	1.0	ug/l	1	09/14/18 22:57	
Benzidine	ND	10	ug/l	1	09/14/18 22:57	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/14/18 22:57	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/14/18 22:57	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/14/18 22:57	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/14/18 22:57	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/14/18 22:57	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/14/18 22:57	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/14/18 22:57	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/14/18 22:57	
Bis(2-ethylhexyl)phthalate	**2.4**	2.0	ug/l	1	09/14/18 22:57	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/14/18 22:57	
Chrysene	ND	1.0	ug/l	1	09/14/18 22:57	
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/14/18 22:57	
Diethyl phthalate	ND	1.0	ug/l	1	09/14/18 22:57	
Dimethyl phthalate	ND	1.0	ug/l	1	09/14/18 22:57	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/14/18 22:57	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/14/18 22:57	
Fluoranthene	ND	1.0	ug/l	1	09/14/18 22:57	
Fluorene	ND	1.0	ug/l	1	09/14/18 22:57	
Hexachlorobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/14/18 22:57	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/14/18 22:57	

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Sample Results

(Continued)

Sample: MCWP-MW04D(405808-002)
8H24014-02 (Water)

Sampled: 08/23/18 12:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 625 (Continued) **Batch ID:** W8H1519 **Instr:** GCMS06 **Prepared:** 08/27/18 08:39 **Analyst:** etn						
Hexachloroethane	ND	1.0	ug/l	1	09/14/18 22:57	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/14/18 22:57	
Isophorone	ND	1.0	ug/l	1	09/14/18 22:57	
Naphthalene	ND	1.0	ug/l	1	09/14/18 22:57	
Nitrobenzene	ND	1.0	ug/l	1	09/14/18 22:57	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/14/18 22:57	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/14/18 22:57	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/14/18 22:57	
Pentachlorophenol	ND	1.0	ug/l	1	09/14/18 22:57	
Phenanthrene	ND	1.0	ug/l	1	09/14/18 22:57	
Phenol	ND	1.0	ug/l	1	09/14/18 22:57	
Pyrene	ND	1.0	ug/l	1	09/14/18 22:57	
Surrogate(s)						
2,4,6-Tribromophenol	*63%*	*25-102*	*Conc: 31.6*		*09/14/18 22:57*	
2-Fluorobiphenyl	*60%*	*22-107*	*Conc: 15.0*		*09/14/18 22:57*	
2-Fluorophenol	*42%*	*3-74*	*Conc: 21.2*		*09/14/18 22:57*	
Nitrobenzene-d5	*59%*	*27-111*	*Conc: 14.8*		*09/14/18 22:57*	
Phenol-d5	*27%*	*0.1-53*	*Conc: 13.5*		*09/14/18 22:57*	
Terphenyl-d14	*93%*	*28-113*	*Conc: 23.2*		*09/14/18 22:57*	

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Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1519 - EPA 625/L-L SF										
Blank (W8H1519-BLK1)				**Prepared: 08/27/18**	**Analyzed: 09/14/18**					
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1519 - EPA 625/L-L SF (Continued)										
Blank (W8H1519-BLK1)				**Prepared: 08/27/18 Analyzed: 09/14/18**						
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*29.3*		*ug/l*	*50.0*		*59*	*25-102*			
2-Fluorobiphenyl	*14.9*		*ug/l*	*25.0*		*60*	*22-107*			
2-Fluorophenol	*21.5*		*ug/l*	*50.0*		*43*	*3-74*			
Nitrobenzene-d5	*15.4*		*ug/l*	*25.0*		*62*	*27-111*			
Phenol-d5	*13.5*		*ug/l*	*50.0*		*27*	*0.1-53*			
Terphenyl-d14	*22.9*		*ug/l*	*25.0*		*92*	*28-113*			
LCS (W8H1519-BS1)				**Prepared: 08/27/18 Analyzed: 09/14/18**						
1,2,4-Trichlorobenzene	15.5	1.0	ug/l	25.0		62	44-142			
1,2-Dichlorobenzene	15.3	1.0	ug/l	25.0		61	32-129			
1,3-Dichlorobenzene	14.9	1.0	ug/l	25.0		59	0.1-172			
1,4-Dichlorobenzene	15.2	1.0	ug/l	25.0		61	20-124			
2,4,6-Trichlorophenol	16.3	1.0	ug/l	25.0		65	37-144			
2,4-Dichlorophenol	16.9	1.0	ug/l	25.0		67	39-135			
2,4-Dimethylphenol	13.6	1.0	ug/l	25.0		54	32-119			
2,4-Dinitrophenol	20.0	5.0	ug/l	25.0		80	0.1-191			
2,4-Dinitrotoluene	21.8	1.0	ug/l	25.0		87	39-139			
2,6-Dinitrotoluene	18.1	1.0	ug/l	25.0		72	50-158			
2-Chloronaphthalene	16.2	1.0	ug/l	25.0		65	60-118			
2-Chlorophenol	15.0	1.0	ug/l	25.0		60	23-134			
2-Methyl-4,6-dinitrophenol	20.9	1.0	ug/l	25.0		83	0.1-181			
2-Nitrophenol	17.2	1.0	ug/l	25.0		69	29-182			
3,3'-Dichlorobenzidine	17.3	1.0	ug/l	25.0		69	0.1-262			
4-Bromophenyl phenyl ether	20.5	1.0	ug/l	25.0		82	53-127			
4-Chloro-3-methylphenol	15.9	1.0	ug/l	25.0		64	22-147			
4-Chlorophenyl phenyl ether	17.8	1.0	ug/l	25.0		71	25-158			
4-Nitrophenol	9.49	2.0	ug/l	25.0		38	0.1-132			
Acenaphthene	16.6	1.0	ug/l	25.0		66	47-145			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1519 - EPA 625/L-L SF (Continued)										
LCS (W8H1519-BS1)				**Prepared: 08/27/18**	**Analyzed: 09/14/18**					
Acenaphthylene	17.9	1.0	ug/l	25.0		71	33-145			
Anthracene	20.5	1.0	ug/l	25.0		82	27-133			
Benzo (a) anthracene	23.5	1.0	ug/l	25.0		94	33-143			
Benzo (a) pyrene	23.4	1.0	ug/l	25.0		94	17-163			
Benzo (b) fluoranthene	23.4	1.0	ug/l	25.0		93	24-159			
Benzo (g,h,i) perylene	25.8	1.0	ug/l	25.0		103	0.1-219			
Benzo (k) fluoranthene	23.9	1.0	ug/l	25.0		96	11-162			
Bis(2-chloroethoxy)methane	15.0	1.0	ug/l	25.0		60	33-184			
Bis(2-chloroethyl)ether	16.1	1.0	ug/l	25.0		64	12-158			
Bis(2-chloroisopropyl)ether	14.2	1.0	ug/l	25.0		57	36-166			
Bis(2-ethylhexyl)phthalate	27.3	2.0	ug/l	25.0		109	8-158			
Butyl benzyl phthalate	24.0	1.0	ug/l	25.0		96	0.1-152			
Chrysene	22.0	1.0	ug/l	25.0		88	17-168			
Dibenzo (a,h) anthracene	24.9	1.0	ug/l	25.0		100	0.1-227			
Diethyl phthalate	19.7	1.0	ug/l	25.0		79	0.1-114			
Dimethyl phthalate	17.7	1.0	ug/l	25.0		71	0.1-112			
Di-n-butyl phthalate	23.6	1.0	ug/l	25.0		95	1-118			
Di-n-octyl phthalate	21.7	1.0	ug/l	25.0		87	4-146			
Fluoranthene	23.3	1.0	ug/l	25.0		93	26-137			
Fluorene	18.1	1.0	ug/l	25.0		72	59-121			
Hexachlorobenzene	19.7	1.0	ug/l	25.0		79	0.1-152			
Hexachlorobutadiene	15.2	1.0	ug/l	25.0		61	24-116			
Hexachlorocyclopentadiene	6.50	5.0	ug/l	25.0		26	0.1-81			
Hexachloroethane	15.7	1.0	ug/l	25.0		63	40-113			
Indeno (1,2,3-cd) pyrene	26.4	1.0	ug/l	25.0		106	0.1-171			
Isophorone	13.3	1.0	ug/l	25.0		53	21-196			
Naphthalene	15.5	1.0	ug/l	25.0		62	21-133			
Nitrobenzene	16.7	1.0	ug/l	25.0		67	35-180			
N-Nitrosodimethylamine	10.9	1.0	ug/l	25.0		44	20-83			
N-Nitrosodi-n-propylamine	15.7	1.0	ug/l	25.0		63	0.1-230			
N-Nitrosodiphenylamine	16.2	1.0	ug/l	25.0		65	42-90			
Pentachlorophenol	17.3	1.0	ug/l	25.0		69	14-176			
Phenanthrene	20.7	1.0	ug/l	25.0		83	54-120			
Phenol	6.34	1.0	ug/l	25.0		25	5-112			
Pyrene	23.5	1.0	ug/l	25.0		94	52-115			
Surrogate(s)										
2,4,6-Tribromophenol	*40.0*		*ug/l*	*50.0*		*80*	*25-102*			
2-Fluorobiphenyl	*16.0*		*ug/l*	*25.0*		*64*	*22-107*			
2-Fluorophenol	*21.4*		*ug/l*	*50.0*		*43*	*3-74*			
Nitrobenzene-d5	*16.1*		*ug/l*	*25.0*		*64*	*27-111*			
Phenol-d5	*13.7*		*ug/l*	*50.0*		*27*	*0.1-53*			
Terphenyl-d14	*23.8*		*ug/l*	*25.0*		*95*	*28-113*			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1519 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1519-BSD1)				**Prepared: 08/27/18**	**Analyzed: 09/14/18**					
1,2,4-Trichlorobenzene	16.1	1.0	ug/l	25.0		64	44-142	4	30	
1,2-Dichlorobenzene	16.1	1.0	ug/l	25.0		64	32-129	5	30	
1,3-Dichlorobenzene	15.4	1.0	ug/l	25.0		62	0.1-172	4	30	
1,4-Dichlorobenzene	15.9	1.0	ug/l	25.0		64	20-124	5	30	
2,4,6-Trichlorophenol	16.9	1.0	ug/l	25.0		68	37-144	4	30	
2,4-Dichlorophenol	17.3	1.0	ug/l	25.0		69	39-135	3	30	
2,4-Dimethylphenol	14.5	1.0	ug/l	25.0		58	32-119	7	30	
2,4-Dinitrophenol	22.8	5.0	ug/l	25.0		91	0.1-191	13	30	
2,4-Dinitrotoluene	21.1	1.0	ug/l	25.0		84	39-139	3	30	
2,6-Dinitrotoluene	17.4	1.0	ug/l	25.0		70	50-158	4	30	
2-Chloronaphthalene	17.1	1.0	ug/l	25.0		68	60-118	5	30	
2-Chlorophenol	15.8	1.0	ug/l	25.0		63	23-134	5	30	
2-Methyl-4,6-dinitrophenol	22.9	1.0	ug/l	25.0		91	0.1-181	9	30	
2-Nitrophenol	17.7	1.0	ug/l	25.0		71	29-182	3	30	
3,3'-Dichlorobenzidine	18.9	1.0	ug/l	25.0		76	0.1-262	9	30	
4-Bromophenyl phenyl ether	19.8	1.0	ug/l	25.0		79	53-127	3	30	
4-Chloro-3-methylphenol	16.8	1.0	ug/l	25.0		67	22-147	6	30	
4-Chlorophenyl phenyl ether	17.7	1.0	ug/l	25.0		71	25-158	0.6	30	
4-Nitrophenol	9.24	2.0	ug/l	25.0		37	0.1-132	3	30	
Acenaphthene	17.2	1.0	ug/l	25.0		69	47-145	4	30	
Acenaphthylene	18.3	1.0	ug/l	25.0		73	33-145	2	30	
Anthracene	20.2	1.0	ug/l	25.0		81	27-133	1	30	
Benzo (a) anthracene	25.7	1.0	ug/l	25.0		103	33-143	9	30	
Benzo (a) pyrene	24.8	1.0	ug/l	25.0		99	17-163	6	30	
Benzo (b) fluoranthene	24.0	1.0	ug/l	25.0		96	24-159	3	30	
Benzo (g,h,i) perylene	25.2	1.0	ug/l	25.0		101	0.1-219	2	30	
Benzo (k) fluoranthene	24.5	1.0	ug/l	25.0		98	11-162	2	30	
Bis(2-chloroethoxy)methane	15.4	1.0	ug/l	25.0		62	33-184	2	30	
Bis(2-chloroethyl)ether	16.7	1.0	ug/l	25.0		67	12-158	4	30	
Bis(2-chloroisopropyl)ether	14.6	1.0	ug/l	25.0		59	36-166	3	30	
Bis(2-ethylhexyl)phthalate	29.2	2.0	ug/l	25.0		117	8-158	7	30	
Butyl benzyl phthalate	24.8	1.0	ug/l	25.0		99	0.1-152	3	30	
Chrysene	21.6	1.0	ug/l	25.0		86	17-168	2	30	
Dibenzo (a,h) anthracene	25.1	1.0	ug/l	25.0		100	0.1-227	0.5	30	
Diethyl phthalate	19.3	1.0	ug/l	25.0		77	0.1-114	2	30	
Dimethyl phthalate	17.4	1.0	ug/l	25.0		69	0.1-112	2	30	
Di-n-butyl phthalate	23.8	1.0	ug/l	25.0		95	1-118	0.6	30	
Di-n-octyl phthalate	21.6	1.0	ug/l	25.0		87	4-146	0.6	30	
Fluoranthene	23.6	1.0	ug/l	25.0		94	26-137	1	30	
Fluorene	18.2	1.0	ug/l	25.0		73	59-121	0.5	30	
Hexachlorobenzene	19.1	1.0	ug/l	25.0		76	0.1-152	3	30	
Hexachlorobutadiene	16.3	1.0	ug/l	25.0		65	24-116	7	30	

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1519 - EPA 625/L-L SF (Continued)										
LCS Dup (W8H1519-BSD1)				**Prepared: 08/27/18**	**Analyzed: 09/14/18**					
Hexachlorocyclopentadiene	7.31	5.0	ug/l	25.0		29	0.1-81	12	30	
Hexachloroethane	16.6	1.0	ug/l	25.0		66	40-113	6	30	
Indeno (1,2,3-cd) pyrene	26.5	1.0	ug/l	25.0		106	0.1-171	0.6	30	
Isophorone	13.5	1.0	ug/l	25.0		54	21-196	1	30	
Naphthalene	16.5	1.0	ug/l	25.0		66	21-133	6	30	
Nitrobenzene	17.4	1.0	ug/l	25.0		69	35-180	4	30	
N-Nitrosodimethylamine	11.2	1.0	ug/l	25.0		45	20-83	3	30	
N-Nitrosodi-n-propylamine	16.0	1.0	ug/l	25.0		64	0.1-230	2	30	
N-Nitrosodiphenylamine	15.6	1.0	ug/l	25.0		62	42-90	4	30	
Pentachlorophenol	16.7	1.0	ug/l	25.0		67	14-176	3	30	
Phenanthrene	20.3	1.0	ug/l	25.0		81	54-120	2	30	
Phenol	6.60	1.0	ug/l	25.0		26	5-112	4	30	
Pyrene	23.6	1.0	ug/l	25.0		94	52-115	0.3	30	
Surrogate(s)										
2,4,6-Tribromophenol	*38.0*		*ug/l*	*50.0*		*76*	*25-102*			
2-Fluorobiphenyl	*16.9*		*ug/l*	*25.0*		*68*	*22-107*			
2-Fluorophenol	*21.9*		*ug/l*	*50.0*		*44*	*3-74*			
Nitrobenzene-d5	*16.2*		*ug/l*	*25.0*		*65*	*27-111*			
Phenol-d5	*14.0*		*ug/l*	*50.0*		*28*	*0.1-53*			
Terphenyl-d14	*24.4*		*ug/l*	*25.0*		*97*	*28-113*			

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1526 - EPA 300.1/Dir Inj										
Blank (W8H1526-BLK1)				**Prepared & Analyzed: 08/27/18**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
LCS (W8H1526-BS1)				**Prepared & Analyzed: 08/27/18**						
Bromate	93.1	5.0	ug/l	100		93	85-115			
Chlorite	90.2	10	ug/l	100		90	85-115			
Surrogate(s)										
Dichloroacetate	*509*		*ug/l*	*500*		*102*	*90-115*			
Dichloroacetate	*509*		*ug/l*	*500*		*102*	*90-115*			
Matrix Spike (W8H1526-MS1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	80.6	5.0	ug/l	100	*ND*	81	64-133			
Chlorite	85.4	10	ug/l	100	*ND*	85	78-129			
Surrogate(s)										
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*497*		*ug/l*	*500*		*99*	*90-115*			
Matrix Spike (W8H1526-MS2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	253	25	ug/l	500	*ND*	51	64-133			MS-05
Chlorite	440	50	ug/l	500	*ND*	88	78-129			
Surrogate(s)										
Dichloroacetate	*532*		*ug/l*	*500*		*106*	*90-115*			
Dichloroacetate	*532*		*ug/l*	*500*		*106*	*90-115*			
Matrix Spike Dup (W8H1526-MSD1)	**Source: 8H15004-03**			**Prepared & Analyzed: 08/27/18**						
Bromate	82.7	5.0	ug/l	100	*ND*	83	64-133	3	20	
Chlorite	84.9	10	ug/l	100	*ND*	85	78-129	0.6	20	
Surrogate(s)										
Dichloroacetate	*496*		*ug/l*	*500*		*99*	*90-115*			
Dichloroacetate	*496*		*ug/l*	*500*		*99*	*90-115*			
Matrix Spike Dup (W8H1526-MSD2)	**Source: 8H15004-04**			**Prepared & Analyzed: 08/27/18**						
Bromate	251	25	ug/l	500	*ND*	50	64-133	1	20	MS-05
Chlorite	432	50	ug/l	500	*ND*	86	78-129	2	20	
Surrogate(s)										
Dichloroacetate	*514*		*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate	*514*		*ug/l*	*500*		*103*	*90-115*			

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection										
Blank (W8H1676-BLK1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
LCS (W8H1676-BS1)				**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.06	2.0	ug/l	10.0		91	80-120			
Aldicarb	9.99	2.0	ug/l	10.0		100	80-120			
Aldicarb sulfone	10.1	2.0	ug/l	10.0		101	80-120			
Aldicarb sulfoxide	9.91	2.0	ug/l	10.0		99	80-120			
Carbaryl	10.7	2.0	ug/l	10.0		107	80-120			
Carbofuran	9.82	2.0	ug/l	10.0		98	80-120			
Methiocarb	9.76	2.0	ug/l	10.0		98	80-120			
Methomyl	11.0	2.0	ug/l	10.0		110	80-120			
Oxamyl	10.9	2.0	ug/l	10.0		109	80-120			
Propoxur (Baygon)	9.73	2.0	ug/l	10.0		97	80-120			
Matrix Spike (W8H1676-MS1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.88	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb	9.90	2.0	ug/l	10.0	*ND*	99	65-135			
Aldicarb sulfone	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Aldicarb sulfoxide	10.1	2.0	ug/l	10.0	*ND*	101	65-135			
Carbaryl	10.6	2.0	ug/l	10.0	*ND*	106	65-135			
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135			
Methiocarb	10.3	2.0	ug/l	10.0	*ND*	103	65-135			
Methomyl	9.15	2.0	ug/l	10.0	*ND*	91	65-135			
Oxamyl	11.7	2.0	ug/l	10.0	*ND*	117	65-135			
Propoxur (Baygon)	9.62	2.0	ug/l	10.0	*ND*	96	65-135			
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
3-Hydroxycarbofuran	9.37	2.0	ug/l	10.0	*ND*	94	65-135	5	30	
Aldicarb	9.64	2.0	ug/l	10.0	*ND*	96	65-135	3	30	
Aldicarb sulfone	10.1	2.0	ug/l	10.0	*ND*	101	65-135	3	30	
Aldicarb sulfoxide	9.83	2.0	ug/l	10.0	*ND*	98	65-135	2	30	
Carbaryl	10.4	2.0	ug/l	10.0	*ND*	104	65-135	2	30	
Carbofuran	10.4	2.0	ug/l	10.0	*ND*	104	65-135	0.5	30	
Methiocarb	10.6	2.0	ug/l	10.0	*ND*	106	65-135	2	30	
Methomyl	10.7	2.0	ug/l	10.0	*ND*	107	65-135	16	30	
Oxamyl	10.2	2.0	ug/l	10.0	*ND*	102	65-135	14	30	

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1676 - Direct Injection (Continued)										
Matrix Spike Dup (W8H1676-MSD1)	**Source: 8H06085-01**			**Prepared & Analyzed: 08/28/18**						
Propoxur (Baygon)	10.3	2.0	ug/l	10.0	*ND*	103	65-135	7	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0012 - EPA 515.3/Micro Ext. Drtz.										
Blank (W8I0012-BLK1)				**Prepared: 09/04/18 Analyzed: 09/11/18**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*9.27*		*ug/l*	*10.0*		*93*	*70-130*			
LCS (W8I0012-BS1)				**Prepared: 09/04/18 Analyzed: 09/11/18**						
2,4,5-T	4.82	0.20	ug/l	4.00		120	70-130			
2,4,5-TP (Silvex)	4.68	0.20	ug/l	4.00		117	70-130			
2,4-D	9.30	0.40	ug/l	8.00		116	70-130			
2,4-DB	20.7	2.0	ug/l	16.0		129	70-130			
3,5-Dichlorobenzoic acid	9.04	1.0	ug/l	8.00		113	70-130			
Acifluorfen	4.64	0.40	ug/l	4.00		116	70-130			
Bentazon	15.9	2.0	ug/l	16.0		100	70-130			
Dalapon	7.45	0.40	ug/l	8.00		93	70-130			
DCPA	4.57	0.10	ug/l	4.00		114	70-130			
Dicamba	9.66	0.60	ug/l	8.00		121	70-130			
Dichloroprop	8.75	0.30	ug/l	8.00		109	70-130			
Dinoseb	4.81	0.40	ug/l	4.00		120	70-130			
Pentachlorophenol	4.12	0.20	ug/l	4.00		103	70-130			
Picloram	4.59	0.60	ug/l	4.00		115	70-130			
Surrogate(s)										
2,4-DCAA	*10.6*		*ug/l*	*10.0*		*106*	*70-130*			
Matrix Spike (W8I0012-MS1)	**Source: 8H24014-01**			**Prepared: 09/04/18 Analyzed: 09/11/18**						
2,4,5-T	4.53	0.20	ug/l	4.00	*ND*	113	70-130			
2,4,5-TP (Silvex)	4.27	0.20	ug/l	4.00	*ND*	107	70-130			
2,4-D	7.88	0.40	ug/l	8.00	*ND*	99	70-130			
2,4-DB	18.3	2.0	ug/l	16.0	*ND*	114	70-130			
3,5-Dichlorobenzoic acid	8.20	1.0	ug/l	8.00	*ND*	103	70-130			
Acifluorfen	4.40	0.40	ug/l	4.00	*ND*	110	70-130			
Bentazon	14.4	2.0	ug/l	16.0	*ND*	90	70-130			
Dalapon	6.06	0.40	ug/l	8.00	*ND*	76	70-130			
DCPA	4.30	0.10	ug/l	4.00	*ND*	108	70-130			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0012 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike (W8I0012-MS1)	**Source: 8H24014-01**			**Prepared: 09/04/18**	**Analyzed: 09/11/18**					
Dicamba	6.46	0.60	ug/l	8.00	*ND*	81	70-130			
Dichloroprop	7.82	0.30	ug/l	8.00	*ND*	98	70-130			
Dinoseb	4.25	0.40	ug/l	4.00	*ND*	106	70-130			
Pentachlorophenol	3.66	0.20	ug/l	4.00	*ND*	91	70-130			
Picloram	4.27	0.60	ug/l	4.00	*ND*	107	70-130			
Surrogate(s)										
2,4-DCAA	*9.52*		*ug/l*	*10.0*		*95*	*70-130*			
Matrix Spike (W8I0012-MS2)	**Source: 8H24014-02**			**Prepared: 09/04/18**	**Analyzed: 09/11/18**					
2,4,5-T	4.69	0.20	ug/l	4.00	*ND*	117	70-130			
2,4,5-TP (Silvex)	4.55	0.20	ug/l	4.00	*ND*	114	70-130			
2,4-D	8.77	0.40	ug/l	8.00	*ND*	110	70-130			
2,4-DB	19.7	2.0	ug/l	16.0	*ND*	123	70-130			
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	*ND*	110	70-130			
Acifluorfen	4.51	0.40	ug/l	4.00	*ND*	113	70-130			
Bentazon	15.4	2.0	ug/l	16.0	*ND*	96	70-130			
Dalapon	7.10	0.40	ug/l	8.00	*ND*	89	70-130			
DCPA	4.47	0.10	ug/l	4.00	*ND*	112	70-130			
Dicamba	7.88	0.60	ug/l	8.00	*ND*	98	70-130			
Dichloroprop	8.53	0.30	ug/l	8.00	*ND*	107	70-130			
Dinoseb	4.64	0.40	ug/l	4.00	*ND*	116	70-130			
Pentachlorophenol	3.90	0.20	ug/l	4.00	*ND*	98	70-130			
Picloram	4.50	0.60	ug/l	4.00	*ND*	113	70-130			
Surrogate(s)										
2,4-DCAA	*10.3*		*ug/l*	*10.0*		*103*	*70-130*			
Matrix Spike Dup (W8I0012-MSD1)	**Source: 8H24014-01**			**Prepared: 09/04/18**	**Analyzed: 09/11/18**					
2,4,5-T	4.53	0.20	ug/l	4.00	*ND*	113	70-130	0.09	30	
2,4,5-TP (Silvex)	4.42	0.20	ug/l	4.00	*ND*	110	70-130	3	30	
2,4-D	8.58	0.40	ug/l	8.00	*ND*	107	70-130	8	30	
2,4-DB	18.6	2.0	ug/l	16.0	*ND*	116	70-130	2	30	
3,5-Dichlorobenzoic acid	8.47	1.0	ug/l	8.00	*ND*	106	70-130	3	30	
Acifluorfen	4.49	0.40	ug/l	4.00	*ND*	112	70-130	2	30	
Bentazon	15.0	2.0	ug/l	16.0	*ND*	94	70-130	5	30	
Dalapon	6.41	0.40	ug/l	8.00	*ND*	80	70-130	6	30	
DCPA	4.36	0.10	ug/l	4.00	*ND*	109	70-130	1	30	
Dicamba	6.71	0.60	ug/l	8.00	*ND*	84	70-130	4	30	
Dichloroprop	8.34	0.30	ug/l	8.00	*ND*	104	70-130	6	30	
Dinoseb	4.47	0.40	ug/l	4.00	*ND*	112	70-130	5	30	
Pentachlorophenol	3.76	0.20	ug/l	4.00	*ND*	94	70-130	3	30	
Picloram	4.37	0.60	ug/l	4.00	*ND*	109	70-130	2	30	
Surrogate(s)										
2,4-DCAA	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike Dup (W8I0012-MSD2)	**Source: 8H24014-02**			**Prepared: 09/04/18**	**Analyzed: 09/11/18**					
2,4,5-T	4.41	0.20	ug/l	4.00	*ND*	110	70-130	6	30	

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0012 - EPA 515.3/Micro Ext. Drtz. (Continued)										
Matrix Spike Dup (W8I0012-MSD2)	**Source: 8H24014-02**			**Prepared: 09/04/18**	**Analyzed: 09/11/18**					
2,4,5-TP (Silvex)	4.38	0.20	ug/l	4.00	*ND*	110	70-130	4	30	
2,4-D	8.44	0.40	ug/l	8.00	*ND*	106	70-130	4	30	
2,4-DB	17.0	2.0	ug/l	16.0	*ND*	106	70-130	15	30	
3,5-Dichlorobenzoic acid	8.62	1.0	ug/l	8.00	*ND*	108	70-130	2	30	
Acifluorfen	4.51	0.40	ug/l	4.00	*ND*	113	70-130	0.07	30	
Bentazon	15.5	2.0	ug/l	16.0	*ND*	97	70-130	0.2	30	
Dalapon	7.10	0.40	ug/l	8.00	*ND*	89	70-130	0.04	30	
DCPA	4.31	0.10	ug/l	4.00	*ND*	108	70-130	4	30	
Dicamba	6.77	0.60	ug/l	8.00	*ND*	85	70-130	15	30	
Dichloroprop	8.37	0.30	ug/l	8.00	*ND*	105	70-130	2	30	
Dinoseb	4.36	0.40	ug/l	4.00	*ND*	109	70-130	6	30	
Pentachlorophenol	3.86	0.20	ug/l	4.00	*ND*	97	70-130	0.9	30	
Picloram	4.38	0.60	ug/l	4.00	*ND*	109	70-130	3	30	
Surrogate(s)										
2,4-DCAA	*10.3*		*ug/l*	*10.0*		*103*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF										
Blank (W8H1618-BLK1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl		*0.107*	*ug/l*	*0.100*		*107*	*70-130*			
Tetrachloro-meta-xylene		*0.0862*	*ug/l*	*0.100*		*86*	*70-130*			
Blank (W8H1618-BLK2)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
4,4´-DDD	ND	0.010	ug/l							QC-2
4,4´-DDE	ND	0.010	ug/l							QC-2
4,4´-DDT	ND	0.010	ug/l							QC-2
Aldrin	ND	0.010	ug/l							QC-2
alpha-BHC	ND	0.010	ug/l							QC-2
Aroclor 1016	ND	0.10	ug/l							QC-2
Aroclor 1221	ND	0.10	ug/l							QC-2

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
Blank (W8H1618-BLK2)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
Aroclor 1232	ND	0.10	ug/l							QC-2
Aroclor 1242	ND	0.10	ug/l							QC-2
Aroclor 1248	ND	0.10	ug/l							QC-2
Aroclor 1254	ND	0.10	ug/l							QC-2
Aroclor 1260	ND	0.10	ug/l							QC-2
beta-BHC	ND	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.10	ug/l							QC-2
Chlorothalonil	ND	0.050	ug/l							QC-2
delta-BHC	ND	0.010	ug/l							QC-2
Dieldrin	ND	0.010	ug/l							QC-2
Endosulfan I	ND	0.010	ug/l							QC-2
Endosulfan II	ND	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.010	ug/l							QC-2
Endrin	ND	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.010	ug/l							QC-2
Heptachlor	ND	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.050	ug/l							QC-2
Methoxychlor	ND	0.010	ug/l							QC-2
PCBs, Total	ND	0.50	ug/l							QC-2
Propachlor	ND	0.050	ug/l							QC-2
Toxaphene	ND	0.50	ug/l							QC-2
Trifluralin	ND	0.010	ug/l							QC-2
Surrogate(s)										
Decachlorobiphenyl	*0.119*		*ug/l*	*0.100*		*119*	*70-130*			QC-2
Tetrachloro-meta-xylene	*0.0893*		*ug/l*	*0.100*		*89*	*70-130*			QC-2
LCS (W8H1618-BS1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	0.0939	0.010	ug/l	0.100		94	55-142			
4,4´-DDE	0.0884	0.010	ug/l	0.100		88	49-129			
4,4´-DDT	0.0960	0.010	ug/l	0.100		96	54-160			
Aldrin	0.0816	0.010	ug/l	0.100		82	29-115			
alpha-BHC	0.0825	0.010	ug/l	0.100		83	59-131			
beta-BHC	0.0987	0.010	ug/l	0.100		99	63-136			
delta-BHC	0.0982	0.010	ug/l	0.100		98	59-137			
Dieldrin	0.0925	0.010	ug/l	0.100		93	59-135			
Endosulfan I	0.0932	0.010	ug/l	0.100		93	28-138			
Endosulfan II	0.0901	0.010	ug/l	0.100		90	53-133			
Endosulfan sulfate	0.110	0.010	ug/l	0.100		110	58-155			
Endrin	0.0874	0.010	ug/l	0.100		87	57-148			
Endrin aldehyde	0.0778	0.010	ug/l	0.100		78	45-139			
gamma-BHC (Lindane)	0.0840	0.010	ug/l	0.100		84	59-129			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
LCS (W8H1618-BS1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Heptachlor	0.0821	0.010	ug/l	0.100		82	42-136			
Heptachlor epoxide	0.0959	0.010	ug/l	0.100		96	59-134			
Methoxychlor	0.0970	0.010	ug/l	0.100		97	56-167			
Surrogate(s)										
Decachlorobiphenyl		*0.106*	*ug/l*	*0.100*		*106*	*70-130*			
Tetrachloro-meta-xylene		*0.0940*	*ug/l*	*0.100*		*94*	*70-130*			
LCS (W8H1618-BS2)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aroclor 1016	1.08	0.10	ug/l	1.00		108	49-152			
Aroclor 1260	2.45	0.10	ug/l	1.00		245	52-146			Q-08
Surrogate(s)										
Decachlorobiphenyl		*0.126*	*ug/l*	*0.100*		*126*	*70-130*			
Tetrachloro-meta-xylene		*0.0960*	*ug/l*	*0.100*		*96*	*70-130*			
LCS (W8H1618-BS3)				**Prepared: 08/28/18 Analyzed: 09/07/18**						
4,4´-DDD	0.0991	0.010	ug/l	0.100		99	55-142			QC-2
4,4´-DDE	0.0943	0.010	ug/l	0.100		94	49-129			QC-2
4,4´-DDT	0.107	0.010	ug/l	0.100		107	54-160			QC-2
Aldrin	0.0843	0.010	ug/l	0.100		84	29-115			QC-2
alpha-BHC	0.0858	0.010	ug/l	0.100		86	59-131			QC-2
beta-BHC	0.0973	0.010	ug/l	0.100		97	63-136			QC-2
delta-BHC	0.105	0.010	ug/l	0.100		105	59-137			QC-2
Dieldrin	0.0994	0.010	ug/l	0.100		99	59-135			QC-2
Endosulfan I	0.0982	0.010	ug/l	0.100		98	28-138			QC-2
Endosulfan II	0.0964	0.010	ug/l	0.100		96	53-133			QC-2
Endosulfan sulfate	0.117	0.010	ug/l	0.100		117	58-155			QC-2
Endrin	0.101	0.010	ug/l	0.100		101	57-148			QC-2
Endrin aldehyde	0.0763	0.010	ug/l	0.100		76	45-139			QC-2
gamma-BHC (Lindane)	0.0869	0.010	ug/l	0.100		87	59-129			QC-2
Heptachlor	0.0847	0.010	ug/l	0.100		85	42-136			QC-2
Heptachlor epoxide	0.0998	0.010	ug/l	0.100		100	59-134			QC-2
Methoxychlor	0.110	0.010	ug/l	0.100		110	56-167			QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.129*	*ug/l*	*0.100*		*129*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0951*	*ug/l*	*0.100*		*95*	*70-130*			*QC-2*
LCS Dup (W8H1618-BSD1)				**Prepared: 08/28/18 Analyzed: 09/04/18**						
4,4´-DDD	0.0942	0.010	ug/l	0.100		94	55-142	0.4	25	
4,4´-DDE	0.0907	0.010	ug/l	0.100		91	49-129	3	25	
4,4´-DDT	0.0962	0.010	ug/l	0.100		96	54-160	0.2	25	
Aldrin	0.0809	0.010	ug/l	0.100		81	29-115	0.9	25	
alpha-BHC	0.0859	0.010	ug/l	0.100		86	59-131	4	25	
beta-BHC	0.0989	0.010	ug/l	0.100		99	63-136	0.2	25	
delta-BHC	0.0982	0.010	ug/l	0.100		98	59-137	0.02	25	
Dieldrin	0.0967	0.010	ug/l	0.100		97	59-135	4	25	
Endosulfan I	0.0938	0.010	ug/l	0.100		94	28-138	0.6	25	

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1618 - EPA 508/L-L SF (Continued)										
LCS Dup (W8H1618-BSD1)				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Endosulfan II	0.0918	0.010	ug/l	0.100		92	53-133	2	25	
Endosulfan sulfate	0.105	0.010	ug/l	0.100		105	58-155	5	25	
Endrin	0.0878	0.010	ug/l	0.100		88	57-148	0.5	25	
Endrin aldehyde	0.0831	0.010	ug/l	0.100		83	45-139	7	25	
gamma-BHC (Lindane)	0.0854	0.010	ug/l	0.100		85	59-129	2	25	
Heptachlor	0.0851	0.010	ug/l	0.100		85	42-136	4	25	
Heptachlor epoxide	0.0989	0.010	ug/l	0.100		99	59-134	3	25	
Methoxychlor	0.0941	0.010	ug/l	0.100		94	56-167	3	25	
Surrogate(s)										
Decachlorobiphenyl		*0.100*	*ug/l*	*0.100*		*100*	*70-130*			
Tetrachloro-meta-xylene		*0.0918*	*ug/l*	*0.100*		*92*	*70-130*			
LCS Dup (W8H1618-BSD2)				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Aroclor 1016	1.12	0.10	ug/l	1.00		112	49-152	3	25	
Aroclor 1260	2.59	0.10	ug/l	1.00		259	52-146	6	25	Q-08
Surrogate(s)										
Decachlorobiphenyl		*0.0945*	*ug/l*	*0.100*		*94*	*70-130*			
Tetrachloro-meta-xylene		*0.0948*	*ug/l*	*0.100*		*95*	*70-130*			
LCS Dup (W8H1618-BSD3)				**Prepared: 08/28/18**	**Analyzed: 09/07/18**					
4,4´-DDD	0.110	0.010	ug/l	0.100		110	55-142	10	25	QC-2
4,4´-DDE	0.102	0.010	ug/l	0.100		102	49-129	8	25	QC-2
4,4´-DDT	0.116	0.010	ug/l	0.100		116	54-160	7	25	QC-2
Aldrin	0.0854	0.010	ug/l	0.100		85	29-115	1	25	QC-2
alpha-BHC	0.0955	0.010	ug/l	0.100		96	59-131	11	25	QC-2
beta-BHC	0.106	0.010	ug/l	0.100		106	63-136	8	25	QC-2
delta-BHC	0.113	0.010	ug/l	0.100		113	59-137	7	25	QC-2
Dieldrin	0.108	0.010	ug/l	0.100		108	59-135	8	25	QC-2
Endosulfan I	0.105	0.010	ug/l	0.100		105	28-138	7	25	QC-2
Endosulfan II	0.104	0.010	ug/l	0.100		104	53-133	8	25	QC-2
Endosulfan sulfate	0.116	0.010	ug/l	0.100		116	58-155	1	25	QC-2
Endrin	0.111	0.010	ug/l	0.100		111	57-148	9	25	QC-2
Endrin aldehyde	0.0895	0.010	ug/l	0.100		89	45-139	16	25	QC-2
gamma-BHC (Lindane)	0.0947	0.010	ug/l	0.100		95	59-129	9	25	QC-2
Heptachlor	0.0953	0.010	ug/l	0.100		95	42-136	12	25	QC-2
Heptachlor epoxide	0.108	0.010	ug/l	0.100		108	59-134	8	25	QC-2
Methoxychlor	0.118	0.010	ug/l	0.100		118	56-167	8	25	QC-2
Surrogate(s)										
Decachlorobiphenyl		*0.129*	*ug/l*	*0.100*		*129*	*70-130*			*QC-2*
Tetrachloro-meta-xylene		*0.0976*	*ug/l*	*0.100*		*98*	*70-130*			*QC-2*

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Quality Control Results

(Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1717 - EPA 549.2/SPE										
Blank (W8H1717-BLK1)				**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	ND	2.0	ug/l							
LCS (W8H1717-BS1)				**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	17.7	2.0	ug/l	20.0		89	70-130			
Matrix Spike (W8H1717-MS1)	**Source: 8H23090-01**			**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	2.85	2.0	ug/l	20.0	*ND*	14	46-122			MS-05
Matrix Spike Dup (W8H1717-MSD1)	**Source: 8H23090-01**			**Prepared: 08/29/18 Analyzed: 09/06/18**						
Diquat	0.412	2.0	ug/l	20.0	*ND*	2	46-122	150	30	MS-05

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1517 - EPA 548.1/SPE										
Blank (W8H1517-BLK1)				**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	ND	40	ug/l							
LCS (W8H1517-BS1)				**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	90.4	40	ug/l	100		90	31-117			
Matrix Spike (W8H1517-MS1)	**Source: 8H23090-01**			**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	9.36	80	ug/l	200	*ND*	5	0.1-109			
Matrix Spike Dup (W8H1517-MSD1)	**Source: 8H23090-01**			**Prepared: 08/27/18 Analyzed: 08/30/18**						
Endothall	8.38	80	ug/l	200	*ND*	4	0.1-109	11	30	

Fumigants by EPA Method 504.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1645 - EPA 504.1/Micro Ext.										
Blank (W8H1645-BLK1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W8H1645-BS1)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.105	0.010	ug/l	0.100		105	70-130			
1,2-Dibromoethane (EDB)	0.103	0.020	ug/l	0.100		103	70-130			
LCS (W8H1645-BS2)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0807	0.010	ug/l	0.100		81	70-130			
1,2-Dibromoethane (EDB)	0.0803	0.020	ug/l	0.100		80	70-130			
LCS (W8H1645-BS3)				**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.0171	0.010	ug/l	0.0200		85	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.020	ug/l	0.0200		95	70-130			
Matrix Spike (W8H1645-MS1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.142	0.010	ug/l	0.100	*0.0228*	119	65-135			
1,2-Dibromoethane (EDB)	0.0745	0.020	ug/l	0.100	*ND*	75	65-135			
Matrix Spike Dup (W8H1645-MSD1)	**Source: 8H27108-01**			**Prepared & Analyzed: 08/28/18**						
1,2-Dibromo-3-chloropropane	0.140	0.010	ug/l	0.100	*0.0228*	117	65-135	2	30	
1,2-Dibromoethane (EDB)	0.0971	0.020	ug/l	0.100	*ND*	97	65-135	26	30	

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Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1411 - Direct Injection										
Blank (W8H1411-BLK1)				**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	ND	5.0	ug/l							
LCS (W8H1411-BS1)				**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	26.0	5.0	ug/l	25.0		104	70-130			
Matrix Spike (W8H1411-MS1)	**Source: 8H22006-01**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	25.0	5.0	ug/l	25.0	*ND*	100	41-149			
Matrix Spike (W8H1411-MS2)	**Source: 8H22006-02**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	20.1	5.0	ug/l	25.0	*ND*	80	41-149			
Matrix Spike Dup (W8H1411-MSD1)	**Source: 8H22006-01**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	18.3	5.0	ug/l	25.0	*ND*	73	41-149	31	30	MS-05
Matrix Spike Dup (W8H1411-MSD2)	**Source: 8H22006-02**			**Prepared: 08/23/18**	**Analyzed: 08/24/18**					
Glyphosate	21.3	5.0	ug/l	25.0	*ND*	85	41-149	6	30	

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz										
Blank (W8H1508-BLK1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2,3-Dibromopropionic acid		*9.28*	*ug/l*	*10.0*		*93*	*70-130*			
LCS (W8H1508-BS1)				**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	9.47	1.0	ug/l	10.0		95	70-130			
Dichloroacetic acid (dcaa)	12.4	1.0	ug/l	10.0		124	70-130			
Monobromoacetic acid (mbaa)	10.5	1.0	ug/l	10.0		105	70-130			
Monochloroacetic acid (mcaa)	9.69	2.0	ug/l	10.0		97	70-130			
Trichloroacetic acid (tcaa)	9.97	1.0	ug/l	10.0		100	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*10.2*	*ug/l*	*10.0*		*102*	*70-130*			
MRL Check (W8H1508-MRL1)				**Prepared: 08/27/18**	**Analyzed: 08/24/18**					
Dibromoacetic acid (dbaa)	8.93	1.0	ug/l	10.0		89	70-130			
Dichloroacetic acid (dcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Monobromoacetic acid (mbaa)	9.94	1.0	ug/l	10.0		99	70-130			
Monochloroacetic acid (mcaa)	9.27	2.0	ug/l	10.0		93	70-130			
Trichloroacetic acid (tcaa)	11.3	1.0	ug/l	10.0		113	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*9.69*	*ug/l*	*10.0*		*97*	*70-130*			
MRL Check (W8H1508-MRL2)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL3)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid		*0.00*	*ug/l*	*10.0*			*70-130*			
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	10.0			70-130			
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	10.0			70-130			
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	10.0			70-130			

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1508 - EPA 552.2/Micro Ext. Drtz (Continued)										
MRL Check (W8H1508-MRL4)				**Prepared: 08/27/18**	**Analyzed: 09/07/18**					
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	10.0			70-130			
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	10.0			70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*0.00*		*ug/l*	*10.0*			*70-130*			
Matrix Spike (W8H1508-MS1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.8	1.0	ug/l	10.0	*2.27*	96	70-130			
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	127	70-130			
Monobromoacetic acid (mbaa)	9.93	1.0	ug/l	10.0	*ND*	99	70-130			
Monochloroacetic acid (mcaa)	10.6	2.0	ug/l	10.0	*ND*	106	70-130			
Trichloroacetic acid (tcaa)	10.8	1.0	ug/l	10.0	*0.920*	99	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.8*		*ug/l*	*10.0*		*108*	*70-130*			
Matrix Spike (W8H1508-MS2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.9	1.0	ug/l	10.0	*2.68*	92	70-130			
Dichloroacetic acid (dcaa)	14.2	1.0	ug/l	10.0	*1.87*	124	70-130			
Monobromoacetic acid (mbaa)	9.75	1.0	ug/l	10.0	*ND*	98	70-130			
Monochloroacetic acid (mcaa)	10.4	2.0	ug/l	10.0	*ND*	104	70-130			
Trichloroacetic acid (tcaa)	11.2	1.0	ug/l	10.0	*1.02*	101	70-130			
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD1)	**Source: 8H21104-01**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	11.6	1.0	ug/l	10.0	*2.27*	93	70-130	2	30	
Dichloroacetic acid (dcaa)	14.1	1.0	ug/l	10.0	*1.46*	126	70-130	0.5	30	
Monobromoacetic acid (mbaa)	9.88	1.0	ug/l	10.0	*ND*	99	70-130	0.5	30	
Monochloroacetic acid (mcaa)	10.5	2.0	ug/l	10.0	*ND*	105	70-130	1	30	
Trichloroacetic acid (tcaa)	11.0	1.0	ug/l	10.0	*0.920*	101	70-130	2	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W8H1508-MSD2)	**Source: 8H21104-02**			**Prepared: 08/27/18**	**Analyzed: 08/28/18**					
Dibromoacetic acid (dbaa)	12.9	1.0	ug/l	10.0	*2.68*	103	70-130	8	30	
Dichloroacetic acid (dcaa)	15.5	1.0	ug/l	10.0	*1.87*	136	70-130	8	30	MS-05
Monobromoacetic acid (mbaa)	10.7	1.0	ug/l	10.0	*ND*	107	70-130	9	30	
Monochloroacetic acid (mcaa)	11.1	2.0	ug/l	10.0	*ND*	111	70-130	7	30	
Trichloroacetic acid (tcaa)	12.1	1.0	ug/l	10.0	*1.02*	111	70-130	8	30	
Surrogate(s)										
2,3-Dibromopropionic acid	*11.5*		*ug/l*	*10.0*		*115*	*70-130*			

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Quality Control Results

(Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1654 - EPA 3535/SPE										
Blank (W8H1654-BLK1)				**Prepared: 08/28/18**	**Analyzed: 08/29/18**					
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W8H1654-BS1)				**Prepared: 08/28/18**	**Analyzed: 08/29/18**					
N-Nitrosodimethylamine	2.89	2.0	ng/l	3.00		96	50-150			
LCS Dup (W8H1654-BSD1)				**Prepared: 08/28/18**	**Analyzed: 08/29/18**					
N-Nitrosodimethylamine	2.70	2.0	ng/l	3.00		90	50-150	7	50	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE										
Blank (W8H1513-BLK1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	ND		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.03*	*ug/l*	*5.00*		*101*	*70-130*			
Perylene-d12		*3.89*	*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate		*4.22*	*ug/l*	*5.00*		*84*	*70-130*			
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.62	0.10	ug/l	5.00		112	70-130			
Atrazine	5.73	0.10	ug/l	5.00		115	70-130			
Benzo (a) pyrene	4.47	0.10	ug/l	5.00		89	60-130			
Bis(2-ethylhexyl)adipate	5.39	2.0	ug/l	5.00		108	70-130			
Bis(2-ethylhexyl)phthalate	5.54	2.0	ug/l	5.00		111	70-130			
Bromacil	5.01	0.50	ug/l	5.00		100	70-130			
Butachlor	5.19	0.10	ug/l	5.00		104	70-130			
Captan	4.07	1.0	ug/l	5.00		81	70-130			
Chlorpropham	5.58	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.73	0.10	ug/l	5.00		115	70-130			
Diazinon	4.40	0.10	ug/l	5.00		88	50-120			
Dimethoate	3.73	0.20	ug/l	5.00		75	50-120			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS (W8H1513-BS1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Diphenamid	5.66	0.10	ug/l	5.00		113	70-130			
Disulfoton	4.31	0.10	ug/l	5.00		86	50-120			
EPTC	5.20	0.10	ug/l	5.00		104	70-130			
Metolachlor	5.43	0.10	ug/l	5.00		109	60-130			
Metribuzin	5.18	0.10	ug/l	5.00		104	50-120			
Molinate	5.14	0.10	ug/l	5.00		103	70-130			
Naphthalene	4.51		ug/l	5.00		90	70-130			
Prometon	2.04	0.10	ug/l	5.00		41	15-120			
Prometryn	4.39	0.10	ug/l	5.00		88	30-120			
Simazine	4.74	0.10	ug/l	5.00		95	60-130			
Terbacil	5.25	2.0	ug/l	5.00		105	70-130			
Thiobencarb	5.15	0.10	ug/l	5.00		103	70-130			
Trithion	5.34	0.10	ug/l	5.00		107	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.75*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.74*		*ug/l*	*5.00*		*95*	*50-120*			
Triphenyl phosphate	*5.44*		*ug/l*	*5.00*		*109*	*70-130*			
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18 Analyzed: 09/05/18**						
Alachlor	5.74	0.10	ug/l	5.00		115	70-130	2	30	
Atrazine	5.61	0.10	ug/l	5.00		112	70-130	2	30	
Benzo (a) pyrene	4.49	0.10	ug/l	5.00		90	60-130	0.3	30	
Bis(2-ethylhexyl)adipate	5.40	2.0	ug/l	5.00		108	70-130	0.3	30	
Bis(2-ethylhexyl)phthalate	5.63	2.0	ug/l	5.00		113	70-130	2	30	
Bromacil	5.20	0.50	ug/l	5.00		104	70-130	4	30	
Butachlor	5.35	0.10	ug/l	5.00		107	70-130	3	30	
Captan	4.08	1.0	ug/l	5.00		82	70-130	0.4	30	
Chlorpropham	5.74	0.10	ug/l	5.00		115	70-130	3	30	
Cyanazine	6.06	0.10	ug/l	5.00		121	70-130	6	30	
Diazinon	4.15	0.10	ug/l	5.00		83	50-120	6	30	
Dimethoate	4.17	0.20	ug/l	5.00		83	50-120	11	30	
Diphenamid	5.62	0.10	ug/l	5.00		112	70-130	0.7	30	
Disulfoton	4.34	0.10	ug/l	5.00		87	50-120	0.5	30	
EPTC	5.44	0.10	ug/l	5.00		109	70-130	4	30	
Metolachlor	5.47	0.10	ug/l	5.00		109	60-130	0.8	30	
Metribuzin	5.65	0.10	ug/l	5.00		113	50-120	9	30	
Molinate	5.26	0.10	ug/l	5.00		105	70-130	2	30	
Naphthalene	4.92		ug/l	5.00		98	70-130	9	30	
Prometon	1.90	0.10	ug/l	5.00		38	15-120	7	30	
Prometryn	4.58	0.10	ug/l	5.00		92	30-120	4	30	
Simazine	4.78	0.10	ug/l	5.00		96	60-130	0.8	30	
Terbacil	5.97	2.0	ug/l	5.00		119	70-130	13	30	
Thiobencarb	5.32	0.10	ug/l	5.00		106	70-130	3	30	
Trithion	5.26	0.10	ug/l	5.00		105	70-130	2	30	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1513 - EPA 525.2/SPE (Continued)										
LCS Dup (W8H1513-BSD1)				**Prepared: 08/27/18**	**Analyzed: 09/05/18**					
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene		*5.18*	*ug/l*	*5.00*		*104*	*70-130*			
Perylene-d12		*4.82*	*ug/l*	*5.00*		*96*	*50-120*			
Triphenyl phosphate		*5.39*	*ug/l*	*5.00*		*108*	*70-130*			

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Notes and Definitions

Item	Definition
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-03	High surrogate recovery for this sample is possibly due to a sample matrix effect. The data was accepted since all target analytes were not detected.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

Reviewed by:

Regina Giancola
Project Manager

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-CA #04229CA ● 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.

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Certificate of Analysis

FINAL REPORT

Work Orders: 8H27094

Project: 405808

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/14/2018
Received Date: 8/27/2018
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1024552
Billing Code:

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • 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 Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/27/18 with the Chain-of-Custody document. The samples were received in good condition, at 5.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-9 (405808-001)	Client	8H27094-01	Water	08/23/18 08:30	
MCWP-MW04D (405808-002)	Client	8H27094-02	Water	08/23/18 12:00	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Sample Results

Sample: SMBRP-9 (405808-001)
8H27094-01 (Water)

Sampled: 08/23/18 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0071 **Instr:** LC13 **Prepared:** 09/04/18 15:25 **Analyst:** blg							
Chromium 6+	**1.9**	0.024	0.10	ug/l	5	09/05/18 14:28	
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04 **Prepared:** 08/28/18 09:31 **Analyst:** rrl							
Aluminum, Total	**130**	1.3	5.0	ug/l	1	09/04/18 16:26	
Antimony, Total	**0.20**	0.045	0.50	ug/l	1	09/04/18 16:26	J
Barium, Total	**36**	0.071	0.50	ug/l	1	09/04/18 16:26	
Beryllium, Total	ND	0.033	0.10	ug/l	1	09/04/18 16:26	
Cadmium, Total	ND	0.041	0.10	ug/l	1	09/04/18 16:26	
Chromium, Total	**3.8**	0.035	0.20	ug/l	1	09/04/18 16:26	
Copper, Total	**0.42**	0.13	0.50	ug/l	1	09/04/18 16:26	J
Lead, Total	**0.088**	0.031	0.20	ug/l	1	09/04/18 16:26	J
Nickel, Total	**0.71**	0.045	0.80	ug/l	1	09/04/18 16:26	J
Silver, Total	ND	0.062	0.20	ug/l	1	09/04/18 16:26	
Thallium, Total	ND	0.014	0.20	ug/l	1	09/04/18 16:26	
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03 **Prepared:** 08/29/18 09:51 **Analyst:** gza							
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:24	

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Orange, CA 92868

Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Sample Results

(Continued)

Sample: MCWP-MW04D (405808-002)
8H27094-02 (Water)

Sampled: 08/23/18 12:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6 **Batch ID:** W8I0071 **Instr:** LC13			**Prepared:** 09/04/18 15:25			**Analyst:** blg	
Chromium 6+	ND	0.024	0.10	ug/l	5	09/05/18 14:40	M-05
Metals by EPA 200 Series Methods							
Method: EPA 200.8 **Batch ID:** W8H1624 **Instr:** ICPMS04			**Prepared:** 08/28/18 09:31			**Analyst:** rrl	
Aluminum, Total	**29**	1.3	5.0	ug/l	1	09/04/18 16:30	
Antimony, Total	**0.11**	0.045	0.50	ug/l	1	09/04/18 16:30	J
Barium, Total	**35**	0.071	0.50	ug/l	1	09/04/18 16:30	
Beryllium, Total	ND	0.033	0.10	ug/l	1	09/04/18 16:30	
Cadmium, Total	**0.17**	0.041	0.10	ug/l	1	09/04/18 16:30	
Chromium, Total	**0.36**	0.035	0.20	ug/l	1	09/04/18 16:30	
Copper, Total	**0.41**	0.13	0.50	ug/l	1	09/04/18 16:30	J
Lead, Total	ND	0.031	0.20	ug/l	1	09/04/18 16:30	
Nickel, Total	**3.6**	0.045	0.80	ug/l	1	09/04/18 16:30	
Silver, Total	ND	0.062	0.20	ug/l	1	09/04/18 16:30	
Thallium, Total	ND	0.014	0.20	ug/l	1	09/04/18 16:30	
Method: EPA 245.1 **Batch ID:** W8H1727 **Instr:** HG03			**Prepared:** 08/29/18 09:51			**Analyst:** gza	
Mercury, Total	ND	0.017	0.050	ug/l	1	08/29/18 15:30	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8I0071 - EPA 218.6											
Blank (W8I0071-BLK1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	ND	0.0048	0.020	ug/l							
LCS (W8I0071-BS1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	5.10	0.0048	0.020	ug/l	5.00		102	90-110			
Calibration Check (W8I0071-CCV1)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	0.0222	0.0048	0.020	ug/l	0.0200		111	80-120			
Calibration Check (W8I0071-CCV2)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	5.13	0.0048	0.020	ug/l	5.00		103	95-105			
Calibration Check (W8I0071-CCV3)					**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	10.2	0.0048	0.020	ug/l	10.0		102	95-105			
Matrix Spike (W8I0071-MS1)	**Source: 8H22092-06**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.74	0.0048	0.020	ug/l	5.00	2.64	102	88-112			
Matrix Spike (W8I0071-MS2)	**Source: 8H22092-07**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	8.06	0.0048	0.020	ug/l	5.00	2.92	103	88-112			
Matrix Spike Dup (W8I0071-MSD1)	**Source: 8H22092-06**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.66	0.0048	0.020	ug/l	5.00	2.64	100	88-112	1	10	
Matrix Spike Dup (W8I0071-MSD2)	**Source: 8H22092-07**				**Prepared: 09/04/18**	**Analyzed: 09/05/18**					
Chromium 6+	7.95	0.0048	0.020	ug/l	5.00	2.92	101	88-112	1	10	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8											
Blank (W8H1624-BLK1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	ND	1.3	5.0	ug/l							
Antimony, Total	0.0493	0.045	0.50	ug/l							B-07, J
Barium, Total	ND	0.071	0.50	ug/l							
Beryllium, Total	ND	0.033	0.10	ug/l							
Cadmium, Total	ND	0.041	0.10	ug/l							
Chromium, Total	ND	0.035	0.20	ug/l							
Copper, Total	ND	0.13	0.50	ug/l							
Lead, Total	ND	0.031	0.20	ug/l							
Nickel, Total	ND	0.045	0.80	ug/l							
Silver, Total	ND	0.062	0.20	ug/l							
Thallium, Total	ND	0.014	0.20	ug/l							
LCS (W8H1624-BS1)					**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	51.7	1.3	5.0	ug/l	50.0		103	85-115			
Antimony, Total	49.0	0.045	0.50	ug/l	50.0		98	85-115			
Barium, Total	50.1	0.071	0.50	ug/l	50.0		100	85-115			
Beryllium, Total	50.1	0.033	0.10	ug/l	50.0		100	85-115			
Cadmium, Total	49.7	0.041	0.10	ug/l	50.0		99	85-115			
Chromium, Total	49.9	0.035	0.20	ug/l	50.0		100	85-115			
Copper, Total	50.8	0.13	0.50	ug/l	50.0		102	85-115			
Lead, Total	50.6	0.031	0.20	ug/l	50.0		101	85-115			
Nickel, Total	51.0	0.045	0.80	ug/l	50.0		102	85-115			
Silver, Total	50.0	0.062	0.20	ug/l	50.0		100	85-115			
Thallium, Total	50.8	0.014	0.20	ug/l	50.0		102	85-115			
Matrix Spike (W8H1624-MS1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7690	1.3	5.0	ug/l	50.0	7240	915	70-130			MS-02
Antimony, Total	32.2	0.045	0.50	ug/l	50.0	0.290	64	70-130			MS-01
Barium, Total	144	0.071	0.50	ug/l	50.0	91.4	106	70-130			
Beryllium, Total	50.7	0.033	0.10	ug/l	50.0	0.344	101	70-130			
Cadmium, Total	48.1	0.041	0.10	ug/l	50.0	0.613	95	70-130			
Chromium, Total	71.5	0.035	0.20	ug/l	50.0	21.8	99	70-130			
Copper, Total	56.3	0.13	0.50	ug/l	50.0	11.7	89	70-130			
Lead, Total	51.4	0.031	0.20	ug/l	50.0	3.11	97	70-130			
Nickel, Total	77.4	0.045	0.80	ug/l	50.0	32.5	90	70-130			
Silver, Total	45.5	0.062	0.20	ug/l	50.0	ND	91	70-130			
Thallium, Total	49.5	0.014	0.20	ug/l	50.0	0.0863	99	70-130			
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18 Analyzed: 09/04/18**						
Aluminum, Total	7970	1.3	5.0	ug/l	50.0	7240	NR	70-130	3	30	MS-02
Antimony, Total	33.4	0.045	0.50	ug/l	50.0	0.290	66	70-130	4	30	MS-01
Barium, Total	147	0.071	0.50	ug/l	50.0	91.4	111	70-130	2	30	

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931 West Barkley Avenue
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Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W8H1624 - EPA 200.8 (Continued)											
Matrix Spike Dup (W8H1624-MSD1)	**Source: 8H27092-01**				**Prepared: 08/28/18**	**Analyzed: 09/04/18**					
Beryllium, Total	50.8	0.033	0.10	ug/l	50.0	0.344	101	70-130	0.2	30	
Cadmium, Total	48.7	0.041	0.10	ug/l	50.0	0.613	96	70-130	1	30	
Chromium, Total	72.3	0.035	0.20	ug/l	50.0	21.8	101	70-130	1	30	
Copper, Total	62.5	0.13	0.50	ug/l	50.0	11.7	101	70-130	10	30	
Lead, Total	52.0	0.031	0.20	ug/l	50.0	3.11	98	70-130	1	30	
Nickel, Total	78.2	0.045	0.80	ug/l	50.0	32.5	92	70-130	1	30	
Silver, Total	45.2	0.062	0.20	ug/l	50.0	ND	90	70-130	0.8	30	
Thallium, Total	50.0	0.014	0.20	ug/l	50.0	0.0863	100	70-130	1	30	
Batch: W8H1727 - EPA 245.1											
Blank (W8H1727-BLK1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	ND	0.017	0.050	ug/l							
LCS (W8H1727-BS1)					**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.999	0.017	0.050	ug/l	1.00		100	85-115			
Matrix Spike (W8H1727-MS1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.958	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike (W8H1727-MS2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.960	0.017	0.050	ug/l	1.00	ND	96	70-130			
Matrix Spike Dup (W8H1727-MSD1)	**Source: 8H27094-01**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	0.953	0.017	0.050	ug/l	1.00	ND	95	70-130	0.5	20	
Matrix Spike Dup (W8H1727-MSD2)	**Source: 8H27094-02**				**Prepared & Analyzed: 08/29/18**						
Mercury, Total	1.03	0.017	0.050	ug/l	1.00	ND	103	70-130	7	20	

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931 West Barkley Avenue
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Project Number: 405808

Project Manager: Ranjit Clarke

Reported:
09/14/2018 17:40

Notes and Definitions

Item	Definition
B-07	This analyte was found in the method blank at levels above the MDL but below the reporting limit.
J	Estimated conc. detected <MRL and >MDL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
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 MIS 002.

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(724)850-5600

September 18, 2018

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: 405808
Pace Project No.: 30263405

Dear Ranjit Clarke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Hongling Cao, Enthalpy Analytical
Ms. Cam Pham, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical

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CERTIFICATIONS

Project: 405808
Pace Project No.: 30263405

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: 405808
Pace Project No.: 30263405

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30263405001	**SMBRP (405808-001)**	Water	08/23/18 08:30	08/27/18 09:20
30263405002	**MCWP-MW04D (405808-002)**	Water	08/23/18 12:00	08/27/18 09:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 405808
Pace Project No.: 30263405

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30263405001	**SMBRP (405808-001)**	EPA 900.0	NEG	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1
30263405002	**MCWP-MW04D (405808-002)**	EPA 900.0	NEG	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1
		ASTM D5811-95	LAL	1
		EPA 906.0	NJV	1
		ASTM D5174-97	RMK	1

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

Sample: SMBRP (405808-001) **Lab ID: 30263405001** Collected: 08/23/18 08:30 Received: 08/27/18 09:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**39.4 ± 9.75 (7.02) C:NA T:NA**	pCi/L	09/11/18 19:11	12587-46-1	
Gross Beta	EPA 900.0	**6.82 ± 3.65 (5.56) C:NA T:NA**	pCi/L	09/11/18 19:11	12587-47-2	
Radium-226	EPA 903.1	**0.729 ± 0.597 (0.866) C:NA T:84%**	pCi/L	09/11/18 12:17	13982-63-3	
Radium-228	EPA 904.0	**0.196 ± 0.379 (0.826) C:69% T:85%**	pCi/L	09/10/18 11:17	15262-20-1	
Strontium-90	ASTM D5811-95	**0.147 ± 0.439 (1.03) C:102% T:NA**	pCi/L	09/18/18 07:35	10098-97-2	N2
Tritium	EPA 906.0	**98.6 ± 144 (242) C:NA T:NA**	pCi/L	09/08/18 15:23	10028-17-8	
Total Uranium	ASTM D5174-97	**56.7 ± 1.665 (2.620) C:NA T:NA**	ug/L	09/17/18 19:28	7440-61-1	

Sample: MCWP-MW04D (405808-002) **Lab ID: 30263405002** Collected: 08/23/18 12:00 Received: 08/27/18 09:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	**5.98 ± 2.92 (3.56) C:NA T:NA**	pCi/L	09/10/18 19:43	12587-46-1	
Gross Beta	EPA 900.0	**2.52 ± 2.34 (4.05) C:NA T:NA**	pCi/L	09/10/18 19:43	12587-47-2	
Radium-226	EPA 903.1	**0.736 ± 0.481 (0.589) C:NA T:88%**	pCi/L	09/11/18 12:17	13982-63-3	
Radium-228	EPA 904.0	**1.21 ± 0.564 (0.954) C:67% T:74%**	pCi/L	09/10/18 11:17	15262-20-1	
Strontium-90	ASTM D5811-95	**-0.212 ± 0.380 (1.03) C:97% T:NA**	pCi/L	09/18/18 07:37	10098-97-2	N2
Tritium	EPA 906.0	**-8.75 ± 137 (244) C:NA T:NA**	pCi/L	09/08/18 16:24	10028-17-8	
Total Uranium	ASTM D5174-97	**6.52 ± 0.192 (0.262) C:NA T:NA**	ug/L	09/17/18 19:25	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 311446 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1520967 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.641 ± 0.490 (0.648) C:NA T:80%	pCi/L	09/11/18 12:31	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 311629 Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0 Analysis Description: 900.0 Gross Alpha/Beta
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1521863 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.429 ± 0.491 (0.940) C:NA T:NA	pCi/L	09/11/18 19:09	
Gross Beta	0.022 ± 0.779 (1.69) C:NA T:NA	pCi/L	09/11/18 19:09	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 311434 Analysis Method: ASTM D5174-97
QC Batch Method: ASTM D5174-97 Analysis Description: D5174.97 Total Uranium KPA
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1520915 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.155 ± 0.006 (0.262) C:NA T:NA	ug/L	09/06/18 14:53	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 311449 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1520969 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0876 ± 0.471 (1.06) C:65% T:65%	pCi/L	09/10/18 11:16	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 312712 Analysis Method: ASTM D5811-95
QC Batch Method: ASTM D5811-95 Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1526959 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.390 ± 0.414 (0.875) C:104% T:NA	pCi/L	09/18/18 07:34	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 405808
Pace Project No.: 30263405

QC Batch: 311887 Analysis Method: EPA 906.0
QC Batch Method: EPA 906.0 Analysis Description: 906.0 Tritium
Associated Lab Samples: 30263405001, 30263405002

METHOD BLANK: 1523088 Matrix: Water
Associated Lab Samples: 30263405001, 30263405002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-43.6 ± 134 (242) C:NA T:NA	pCi/L	09/08/18 08:14	

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QUALIFIERS

Project: 405808
Pace Project No.: 30263405

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Pace PA - Sub
1638 Roseytown Rd., Suite
Greensburg, PA 15601
724-850-5600
ATTN: Jacquelyn Collins
PO# 1024489

Project: 405808 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/23/18 08:30	SMBRP-9 (405808-001)	900.0 Gross Alpha and Beta	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	903.1 Radiuum-226	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	904.0 Radium-228	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	905.0 Strontium-90	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	906.0 Tritium	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	908.0 Uranium	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	900.0 Gross Alpha and Beta	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	903.1 Radiuum-226	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	904.0 Radium-228	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	905.0 Strontium-90	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	906.0 Tritium	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	908.0 Uranium	

001

002

Note:
Standard TAT

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Relinquished By	Received By:
Date/Time 8/24/18 14:00	Date/Time 8.27-18 0920
Date/Time	Date/Time

WO# : 30263405

30263405

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: Enthalpy Project # 30263405

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label MJS
LIMS Login 048

Tracking #: 7730 6067 2315

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Thermometer Used N/A Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C

Temp should be above freezing to 6°C

pH paper Lot# 10D416 71

Date and Initials of person examining contents: MJS 8/27/18

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation.	✓			16. added 5mL of HNO3 to sample 001, 003 and 008, added 2.5mL of HNO3 to Sample 002, 004, 005, 007, 009, 011, 012, 013 to get pH<2
All containers needing preservation are found to be in compliance with EPA recommendation.		✓		
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed MJS Date/time of preservation 8-27-18 1045
				Lot # of added preservative DL18-0898
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:			✓	18.
Trip Blank Custody Seals Present			✓	
Rad Aqueous Samples Screened > 0.5 mrem/hr		✓		Initial when completed: MJS Date: 8-27-18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

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WORK ORDER NUMBER: 18-08-2065

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Enthalpy Analytical, Inc.

Client Project Name: 405808

Attention: Ranjit Clarke
931 W. Barkley Avenue
Orange, CA 92868-1208

Sheila Lau for

Approved for release on 09/04/2018 by:
Xuan Dang
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 18-08-2065

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Work Order Narrative

Work Order: 18-08-2065 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/24/18. They were assigned to Work Order 18-08-2065.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Enthalpy Analytical, Inc. 931 W. Barkley Avenue Orange, CA 92868-1208	Work Order:	18-08-2065
		Project Name:	405808
		PO Number:	405808
		Date/Time Received:	08/24/18 09:12
		Number of Containers:	4
Attn:	Ranjit Clarke		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SMBRP-9 (405808-001)	18-08-2065-1	08/23/18 08:30	2	Aqueous
MCWP-MW04D (405808-002)	18-08-2065-2	08/23/18 12:00	2	Aqueous

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Detections Summary

Client:	Enthalpy Analytical, Inc.	Work Order:	18-08-2065
	931 W. Barkley Avenue	Project Name:	405808
	Orange, CA 92868-1208	Received:	08/24/18
Attn:	Ranjit Clarke		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SMBRP-9 (405808-001) (18-08-2065-1)						
Biochemical Oxygen Demand	2.0		1.0	mg/L	SM 5210 B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405808

Date Received: 08/24/18
Work Order: 18-08-2065
Preparation: N/A
Method: EPA 1664A
Units: mg/L

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-9 (405808-001)	**18-08-2065-1-B**	**08/23/18 08:30**	**Aqueous**	**N/A**	**08/27/18**	**08/27/18 14:00**	**I0827HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW04D (405808-002)	**18-08-2065-2-B**	**08/23/18 12:00**	**Aqueous**	**N/A**	**08/27/18**	**08/27/18 14:00**	**I0827HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-923-458**	**N/A**	**Aqueous**	**N/A**	**08/27/18**	**08/27/18 14:00**	**I0827HEML1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Enthalpy Analytical, Inc.		Date Received:	08/24/18
931 W. Barkley Avenue		Work Order:	18-08-2065
Orange, CA 92868-1208		Preparation:	N/A
		Method:	SM 5210 B
		Units:	mg/L
Project: 405808			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SMBRP-9 (405808-001)	**18-08-2065-1-A**	**08/23/18 08:30**	**Aqueous**	**BOD 1**	**08/24/18**	**08/29/18 19:15**	**I0824BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	2.0	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MCWP-MW04D (405808-002)	**18-08-2065-2-A**	**08/23/18 12:00**	**Aqueous**	**BOD 1**	**08/24/18**	**08/29/18 19:15**	**I0824BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	ND	1.0	0.58	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-054-5414**	**N/A**	**Aqueous**	**BOD 1**	**08/24/18**	**08/29/18 19:15**	**I0824BODB1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Biochemical Oxygen Demand	ND	1.0	0.58	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Enthalpy Analytical, Inc.		Date Received:	08/24/18
931 W. Barkley Avenue		Work Order:	18-08-2065
Orange, CA 92868-1208		Preparation:	N/A
		Method:	SM 5210 B
Project: 405808			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
18-08-2114-1	**Sample**	**Aqueous**	**BOD 1**	**08/24/18 00:00**	**08/29/18 19:15**	**I0824BODD1**
18-08-2114-1	**Sample Duplicate**	**Aqueous**	**BOD 1**	**08/24/18 00:00**	**08/29/18 19:15**	**I0824BODD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Biochemical Oxygen Demand	4000	4200	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868-1208

Project: 405808

Date Received: 08/24/18
Work Order: 18-08-2065
Preparation: N/A
Method: EPA 1664A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-16-923-458	**LCS**	**Aqueous**	**N/A**	**08/27/18**	**08/27/18 14:00**	**I0827HEML1**
099-16-923-458	**LCSD**	**Aqueous**	**N/A**	**08/27/18**	**08/27/18 14:00**	**I0827HEML1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	38.50	96	37.00	92	78-114	4	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 18-08-2065 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Enthalpy Analytical
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info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1024487

Project: 405808 **Due:** 18-08-2065
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/23/18 08:30	SMBRP-9 (405808-001) (1)	1664_Total_OUT	
Water	08/23/18 08:30	SMBRP-9 (405808-001)	5210B BOD_OUT	
Water	08/23/18 12:00	MCWP-MW04D (405808-002) (2)	1664_Total_OUT	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	Received By:
Date/Time 8/24/18 0912	Date/Time 8/24/18 0912
Date/Time	Date/Time

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WORK ORDER NUMBER: 18-08-2065

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Enthalpy Analytical

DATE: 08/24/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.9 °C (w/ CF): 2.4 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 300

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 300

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☑ 1PJ ☑ 1CGJS ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ CO4G ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 836

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: 300

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Enthalpy - Orange

Report to: Ranjit Clarke
1 Park Plaza, Ste 1000
Irvine, CA 92614

Client Project # 405808

Analytical Report
0818-729

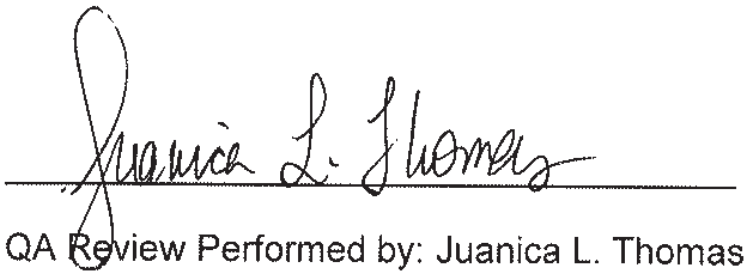
Method 1613B
TCDD Only

Enthalpy Analytical, LLC – Ultratrace
Phone: (910) 212-5858 / www.enthalpy.com
2714 Exchange Drive, Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 15 pages.



QA Review Performed by: Juanica L. Thomas

Report Issued Date: 9/10/18

ENTHALPY ANALYTICAL

SMBRP-9 (405808-001)						Detailed Results - Method 1613	
Client Details							
Client Sample ID:	SMBRP-9 (405808-001)		**Client Name:**	**EA Orange**			
Client Project ID:	405808		**Sample Collection Date:**	**23-Aug-18**		**RRFs:**	**CS3 AB**
Lab/Sample Details							
Lab Job #:	**0818-729**	**Matrix:**	**Aqueous**	**Date Received:**	**29-Aug-18**		
Lab Sample ID:	**0818-729_10121_001**	**Weight/Volume:**	**1**	**Date Extracted:**	**29-Aug-18**		
QC Batch #:	**10121**	**Split Factor:**	**1**	**Date Analyzed:**	**01-Sep-18**		
Dilution:	-			**Time Analyzed:**	**12:40:07**		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.168			ES 2,3,7,8-TCDD	97.0	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	108	
					AS 1368-TCDD	82.2	

MCWP-MW04D (405808-002)						Detailed Results - Method 1613	
Client Details							
Client Sample ID:	MCWP-MW04D (405808-002)		**Client Name:**	**EA Orange**			
Client Project ID:	405808		**Sample Collection Date:**	**23-Aug-18**		**RRFs:**	**CS3 AB**
Lab/Sample Details							
Lab Job #:	**0818-729**	**Matrix:**	**Aqueous**	**Date Received:**	**29-Aug-18**		
Lab Sample ID:	**0818-729_10121_002**	**Weight/Volume:**	**1**	**Date Extracted:**	**29-Aug-18**		
QC Batch #:	**10121**	**Split Factor:**	**1**	**Date Analyzed:**	**01-Sep-18**		
Dilution:	**-**			**Time Analyzed:**	**13:29:10**		

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.203			ES 2,3,7,8-TCDD	101	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	119	
					AS 1368-TCDD	102	

Continuing Calibration

PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	01-Sep-18	01-Sep-18
Acquisition Time	9:24:22	15:07:19

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.16	1.15	1.16	0.0	-0.9	1.16	0.9
1,2,3,7,8-PeCDD	0.98	1.02	1.06	-7.5	-3.8	1.00	4.0
1,2,3,4,7,8-HxCDD	1.06	1.06	1.05	1.0	1.0	1.06	0.0
1,2,3,6,7,8-HxCDD	1.15	1.10	1.09	5.5	0.9	1.13	4.4
1,2,3,7,8,9-HxCDD	0.91	1.01	1.02	-10.8	-1.0	0.96	10.4
1,2,3,4,6,7,8-HpCDD	1.07	1.07	1.07	0.0	0.0	1.07	0.0
OCDD	1.13	1.15	1.11	1.8	3.6	1.14	1.8
2,3,7,8-TCDF	1.07	1.07	1.08	-0.9	-0.9	1.07	0.0
1,2,3,7,8-PeCDF	0.98	1.06	1.04	-5.8	1.9	1.02	7.8
2,3,4,7,8-PeCDF	1.04	1.03	1.02	2.0	1.0	1.04	1.0
1,2,3,4,7,8-HxCDF	1.29	1.30	1.36	-5.1	-4.4	1.30	0.8
1,2,3,6,7,8-HxCDF	1.26	1.22	1.24	1.6	-1.6	1.24	3.2
2,3,4,6,7,8-HxCDF	1.22	1.24	1.26	-3.2	-1.6	1.23	1.6
1,2,3,7,8,9-HxCDF	1.19	1.19	1.24	-4.0	-4.0	1.19	0.0
1,2,3,4,6,7,8-HpCDF	1.39	1.42	1.43	-2.8	-0.7	1.41	2.1
1,2,3,4,7,8,9-HpCDF	1.36	1.33	1.38	-1.4	-3.6	1.35	2.2
OCDF	1.09	1.10	1.11	-1.8	-0.9	1.10	0.9
ES 2,3,7,8-TCDD	0.89	0.97	1.02	-12.7	-4.9	0.93	8.6
ES 1,2,3,7,8-PeCDD	0.76	0.76	0.86	-11.6	-11.6	0.76	0.0
ES 1,2,3,4,7,8-HxCDD	1.04	1.01	1.03	1.0	-1.9	1.03	2.9
ES 1,2,3,6,7,8-HxCDD	1.13	1.01	1.02	10.8	-1.0	1.07	11.2
ES 1,2,3,7,8,9-HxCDD	1.20	1.07	1.14	5.3	-6.1	1.14	11.5
ES 1,2,3,4,6,7,8-HpCDD	0.91	0.82	0.86	5.8	-4.7	0.87	10.4
ES OCDD	0.72	0.61	0.67	7.5	-9.0	0.67	16.5
ES 2,3,7,8-TCDF	0.94	1.02	1.02	-7.8	0.0	0.98	8.2
ES 1,2,3,7,8-PeCDF	0.82	0.83	0.86	-4.7	-3.5	0.83	1.2
ES 2,3,4,7,8-PeCDF	0.77	0.82	0.89	-13.5	-7.9	0.80	6.3
ES 1,2,3,4,7,8-HxCDF	1.29	1.20	1.24	4.0	-3.2	1.25	7.2
ES 1,2,3,6,7,8-HxCDF	1.69	1.42	1.44	17.4	-1.4	1.56	17.4
ES 2,3,4,6,7,8-HxCDF	1.44	1.28	1.31	9.9	-2.3	1.36	11.8
ES 1,2,3,7,8,9-HxCDF	1.15	1.09	1.10	4.5	-0.9	1.12	5.4
ES 1,2,3,4,6,7,8-HpCDF	1.13	0.97	1.00	13.0	-3.0	1.05	15.2
ES 1,2,3,4,7,8,9-HpCDF	0.86	0.81	0.81	6.2	0.0	0.84	6.0
ES OCDF	0.92	0.79	0.87	5.7	-9.2	0.86	15.2

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAA19	SIDAA19
Acquisition Date	01-Sep-18	01-Sep-18
Acquisition Time	9:24:22	15:07:19

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
CS 37Cl-2378-TCDD	1.08	1.15	1.22	-11.5	-5.7	1.12	6.3
CS 12347-PeCDD	0.70	0.69	0.72	-2.8	-4.2	0.70	1.4
CS 12346-PeCDF	0.82	0.84	0.90	-8.9	-6.7	0.83	2.4
CS 123469-HxCDF	1.39	1.21	1.23	13.0	-1.6	1.30	13.8
CS 1234689-HpCDF	1.04	0.92	0.90	15.6	2.2	0.98	12.2
SS 37Cl-2378-TCDD	1.21	1.19	1.20	0.8	-0.8	1.20	1.7
SS 12347-PeCDD	0.93	0.91	0.85	9.4	7.1	0.92	2.2
SS 12346-PeCDF	0.99	1.00	1.05	-5.7	-4.8	1.00	1.0
SS 123469-HxCDF	0.96	0.95	0.94	2.1	1.1	0.96	1.0
SS 1234689-HpCDF	0.92	0.95	0.90	2.2	5.6	0.94	3.2
AS 1368-TCDD	1.10	1.08	1.10	0.0	-1.8	1.09	1.8
AS 1368-TCDF	1.21	1.15	1.17	3.4	-1.7	1.18	5.1
FS 1278-TCDD	-	-	1.07	-	-	-	-
FS 12478-PeCDD	-	-	1.01	-	-	-	-
FS 123468-HxCDD	-	-	1.06	-	-	-	-
FS 1234679-HpCDD	-	-	1.22	-	-	-	-
TS 1378-TCDD	-	-	1.03	-	-	-	-
Analyte	Area	Area					
JS 1234-TCDD	1529130	1512915					
JS 1234-TCDF	2286379	2194072					
JS 123467-HxCDD	853723	995875					

Method Blank

Detailed Results - Method 1613

RRFs: CS3 AB

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	MB1_10121_DF	Weight/Volume:	1	Date Extracted:	29-Aug-18
QC Batch #:	10121	Split Factor:	1	Date Analyzed:	01-Sep-18
Dilution:	-			Time Analyzed:	11:51:05

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.154			ES 2,3,7,8-TCDD	96.2	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	103	
					AS 1368-TCDD	84.2	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10121

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	11.7	7.3	14.6	Y	ES 2,3,7,8-TCDD	98	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

OPR	Detailed Results - Method 1613

RRFs: CS3 AB

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10121_DF	Final Vol. (uL)	20	Date Extracted:	29-Aug-18
QC Batch #:	10121	Split Factor:	1	Date Analyzed:	01-Sep-18
Dilution:	-			Time Analyzed:	10:12:55

Analyte	Conc. (pg/L)	DLpg/L	EMPC pg/L	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	11.7				ES 2,3,7,8-TCDD	97.5	
Totals	**Conc. pg/L**	**DLpg/L**	**EMPC pg/L**		**Standard**	**CS/AS Recoveries**	
					CS 37Cl-2378-TCDD	109	
					AS 1368-TCDD	96.8	

Enthalpy Analytical Narrative Summary

Company	Enthalpy Orange	**Client #**	405808
Analyst	Laura Boivin	**Job #**	0818-729
Parameters	Method 1613 – TCDD only	**# Samples**	2

Custody	Enthalpy Analytical, Inc. Wilmington, NC office received the sample (via FedEx) by Robin Appelle on 9/10/2018. The sample was received having a temperature of 2.1 ºC, in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, Inc.
Analysis	The samples were analyzed by EPA Method 1613 for TCDD only by HRGC/HRMS. The analysis was done using the following instrumentation; High-Resolution-GC - Agilent Tech Model# 6890, AutoSampler – CTC A200 and High-Resolution Mass-Spec. – Waters (Gandalf).
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration (CS3A and CS3B) and batch control spike met the 20% criteria for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injection passed the criteria of at or below 40% threshold. Labeled and sampling (surrogate) standard recoveries were acceptable. The samples were extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The TEQ was calculated and reported to the client using the I-TEFs and the WHO-2005 TEF, calculated several different ways. We also reported Totals and Detection Limits. The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter**.**
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).
- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).

- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

0818-729

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 405808 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☐ EDD ☐ EDF ☐ EDT
Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/23/18 08:30	SMBRP-9 (405808-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
15 Day TAT

2,3,7,8-TCDD only

Relinquished By	**Received By:**
Date/Time 8/27/18 15:17	Date/Time 8/29/18 1018 2.1°
Date/Time	Date/Time

ENTHALPY ANALYTICAL

Sample Inventory Report, Receipt and Log-In Form (Non-Air)

Client/Company: EA Orange	**EU Job #:** 0818-729		
Client Project #: 405808	**Date Samples Arrived:** 29-Aug-18		
Client PO #:	**Time Samples Arrived:** 10:18 AM	**Received by Int.:**	RAA

Sample Inventory

Lab Sample ID	Client Sample ID	Client Sample Description	Matrix	Qty.	Sample Collection Date	Sample Collection Time	Notes:
0818-729_001	SMBRP-9 (405808-001)	Water	Aqueous	1	23-Aug-18	8:30 AM	
0818-729_002	MCWP-MW04D (405808-002)	Water	Aqueous	1	23-Aug-18	12:00 PM	

Sample Receipt & Log-in Details

Courier: FedEx		**Container Condition**	**Tracking Number(s):** 773075081408		
# of Boxes: 0	**# of Coolers: 1**	Intact			
Sample Condition: Good			**Custody Seals (cont.):** NO	**Seal Condition:**	N/A
Sample Temperature(s) in °C (coolers): 2.1			**Custody Seals (samples):** NO	**Seal Condition:**	N/A
Perservative Type: Ice			**Chain of Custody:** YES	**COC Type:**	Client
Sample Temperature(s) in °C (boxes): N/A			**COC Anomaly Details (if applicable):**		
Perservative Type: N/A					
Storage Location: R-1		**All Samples Rec'd:** ☑ YES ☐ NO			

Sample Custodian Signature: _____ **Date:** _____

Project Manager Signature: _____ **Date:** 8/29/18

This Is The Last Page Of This Report.

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Ranjit Clarke
Enthalpy Analytical

Fax #:

From: Tyler D Miller
AmeriSci Job #: 918082147
Subject: Water (waste) 5 day Results
Client Project: 405808

Email: incomingreports@enthalpy.com,ranjit.clarke@enthalpy.com

Date: Thursday, August 30, 2018
Time: 10:44:07
Comments:

Number of Pages: 3 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **918082147**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

405808

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	SMBRP-9 (405808-001)	0.01	1	NSD	NSD	0.21	<0.21	<0.21	----
02	MCWP-MW04D (405808-002)	0.02	1	NSD	NSD	0.18	<0.18	<0.18	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: TM _____ Date: 8/30/2018

Tyler D Miller

RM

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

91820147

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1024488

Project: 405808 **Due:** 08/31/18
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/23/18 08:30	SMBRP-9 (405808-001)	100.2 Asbestos	
Water	08/23/18 12:00	MCWP-MW04D (405808-002)	100.2 Asbestos	

Note:
5 Day TAT

Relinquished By	**Received By:**
Saul Ramos	Pissamai Jones
Date/Time 8/24/18 1630	Date/Time 8/24/18 16.30
Date/Time	Date/Time

IC

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual

Lab Request: 405850
Report Date: 09/04/2018
Date Received: 08/24/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405850-001	MCWP-MW10
405850-002	CCPE
405850-003	MCWP-MW05

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/24/2018 09:00 **Site:**
Sample #: **405850-001** **Client Sample #:** MCWP-MW10 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.3 J**	1	0.04	0.5	mg/L		09/04/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1194782		
Nitrate + Nitrite, as Nitrogen	ND	10	0.17	1	mg/L	08/24/18	08/24/18 18:11	CO	D2
Nitrate, as Nitrogen	ND	10	0.17	1	mg/L	08/24/18	08/24/18 18:11	CO	D2
Nitrite, as Nitrogen	ND	10	0.13	1	mg/L	08/24/18	08/24/18 18:11	CO	D2
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1194985		
Total Dissolved Solids	**3790**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1194960		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1195007		
Total Kjeldahl Nitrogen	**0.287 J**	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1195027		
Total Phosphorous as P	**0.108**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.331**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/24/2018 10:00 **Site:**
Sample #: **405850-002** **Client Sample #:** CCPE **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/04/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1194782		
Nitrate + Nitrite, as Nitrogen	**2.00**	1	0.017	0.1	mg/L	08/24/18	08/24/18 17:36	CO	
Nitrate, as Nitrogen	**2.00**	1	0.017	0.1	mg/L	08/24/18	08/24/18 17:36	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/24/18	08/24/18 17:36	CO	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1194985		
Total Dissolved Solids	**1380**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1194960		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1195007		
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1195027		
Total Phosphorous as P	**0.194**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.595**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1194815		
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/24/2018 11:00	**Site:**			
Sample #:	**405850-003**	**Client Sample #:**	MCWP-MW05	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/04/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1194782
Nitrate + Nitrite, as Nitrogen	**1.04**	1	0.017	0.1	mg/L	08/24/18	08/24/18 17:53	CO	
Nitrate, as Nitrogen	**1.04**	1	0.017	0.1	mg/L	08/24/18	08/24/18 17:53	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/24/18	08/24/18 17:53	CO	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1194985
Total Dissolved Solids	**2700**	2	20	20	mg/L	08/28/18	08/28/18	DXN	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1194960
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1195007
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/30/18	08/30/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1195027
Total Phosphorous as P	**0.305**	1	0.01	0.02	mg/L	08/30/18	08/30/18	TP	
Total Phosphorous as PO4	**0.935**	1	0.03	0.06	mg/L	08/30/18	08/30/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1194815
Fecal Coliform	**<2**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	
Total Coliform	**310**	2			MPN/100ml	08/24/16 12:50	08/25/18	LH	

QCBatchID: QC1194782 **Analyst:** cota **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/24/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194782MB1					
Bromide	ND	mg/L	0.039	0.3	
Chloride	ND	mg/L	0.09	1	
Nitrate + Nitrite, as Nitrogen	**0.0269 J**	mg/L	0.017	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrate, as NO3	ND	mg/L	0.075	0.44	
Nitrite, as Nitrogen	**0.0269 J**	mg/L	0.013	0.1	
Nitrite, as NO2	**0.0882 J**	mg/L	0.043	0.33	
Sulfate	ND	mg/L	0.087	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194782LCS1											
Bromide	15		14.4		mg/L	96			90-110		
Chloride	100		101		mg/L	101			90-110		
Nitrate, as Nitrogen	9.03		9.09		mg/L	101			90-110		
Nitrate, as NO3	40		40.3		mg/L	101			90-110		
Nitrite, as Nitrogen	9.15		9.24		mg/L	101			90-110		
Nitrite, as NO2	30		30.3		mg/L	101			90-110		
Sulfate	50		49.5		mg/L	99			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194782MS1, QC1194782MSD1												**Source: 405800-001**
Bromide	0.7	15	15	15.6	15.8	mg/L	99	101	1.3	80-120	20	
Chloride	209	1000	1000	1150	1170	mg/L	94	96	1.7	80-120	20	
Nitrate, as Nitrogen	3.62	9.03	9.03	12.9	13.0	mg/L	103	104	0.8	80-120	20	
Nitrate, as NO3	16.0	40	40	57.0	57.4	mg/L	103	104	0.7	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.10	8.44	mg/L	89	92	4.1	80-120	20	
Nitrite, as NO2	ND	30	30	26.6	27.7	mg/L	89	92	4.1	80-120	20	
Sulfate	674	500	500	1120	1120	mg/L	89	89	0.0	80-120	20	
QC1194782MS2, QC1194782MSD2												**Source: 405859-001**
Bromide	ND	15	15	14.7	14.8	mg/L	98	99	0.7	80-120	20	
Chloride	108	100	100	195	196	mg/L	87	88	0.5	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.94	9.00	mg/L	99	100	0.7	80-120	20	
Nitrate, as NO3	ND	40	40	39.6	39.9	mg/L	99	100	0.8	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	8.38	8.43	mg/L	92	92	0.6	80-120	20	
Nitrite, as NO2	ND	30	30	27.5	27.7	mg/L	92	92	0.7	80-120	20	
Sulfate	12.4	50	50	61.5	62.0	mg/L	98	99	0.8	80-120	20	

QCBatchID: QC1194960 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/29/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194960MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194960LCS1											
Ammonia, as Nitrogen	5		4.65		mg/L	93			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194960MS1, QC1194960MSD1												**Source: 405808-001**
Ammonia, as Nitrogen	ND	5	5	4.42	4.44	mg/L	88	89	0.5	80-120	20	

QCBatchID:	**QC1194985**	**Analyst:**	tdang	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	08/28/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194985MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194985LCS1											
Total Dissolved Solids	3000		3280		mg/L	109			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1194985DUP1						**Source: 405837-001**
Total Dissolved Solids	756	752	mg/L	0.5	5	

QCBatchID: QC1195007 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195007MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195007MS1, QC1195007MSD1												**Source: 405850-001**
Total Kjeldahl Nitrogen	0.287	12.5	12.5	11	12	mg/L	86	94	8.7	80-120	20	

QCBatchID: QC1195027 **Analyst:** tdang **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195027MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027LCS1											
Total Phosphorous as P	0.4		0.402		mg/L	101			80-120		
Total Phosphorous as PO4	1.23		1.230		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195027MS1, QC1195027MSD1												**Source: 405783-003**
Total Phosphorous as P	0.372	0.4	0.4	0.700	0.700	mg/L	82	82	0.0	75-125	20	
Total Phosphorous as PO4	1.140	1.23	1.23	2.14	2.14	mg/L	81	81	0.0	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record					Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No: 405850					Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other					Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805.644.4455	Global ID:	
Cell:		Sampled By:	P. Doran

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS					Test Instructions / Comments
~~SMBRP-13~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	PD				
MCWP-MW10	8.24.18	0900	W	4/VARIOUS	VARIOUS	X	X	X	X	X					
CCPE	8.24.18	1000	W	4/VARIOUS	VARIOUS	X	X	X	X	X					
~~MBCMW-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				PD	
~~SMBRP-7B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			PD		
MCWP-MW05	8.24.18	1100	W	4/VARIOUS	VARIOUS	X	X	X	X	X					
MCWP-MW06						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		PD			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Peter Doran	Rincon	8.24.18 / 1240
[1] Received By:			Enthalpy	8/24/18 1241
[2] Relinquished By:			Enthalpy	8/24/18 1513
[2] Received By:		Christine Castro	EA	8/24/18 1513
[3] Relinquished By:				

11/17-C

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu- Annual

Date Received: 8/24/18 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: 1.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/24/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual

Lab Request: 405917
Report Date: 09/05/2018
Date Received: 08/28/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
405917-001	N-001
405917-002	N-002
405917-003	N-003
405917-004	N-004
405917-005	L-001
405917-006	L-002
405917-007	L-003
405917-008	L-004
405917-009	L-005
405917-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:00 **Site:**
Sample #: **405917-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 00:44	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 00:44	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 00:44	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.068**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**0.208**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:05 **Site:**
Sample #: **405917-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 01:37	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 01:37	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 01:37	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.047**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**0.144**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:10 **Site:**
Sample #: **405917-003** **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 01:54	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 01:54	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 01:54	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.080**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**0.245**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**6.2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 10:30 **Site:**
Sample #: **405917-004** **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 02:11	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 02:11	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 02:11	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.039**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**0.120**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 12:35 **Site:**
Sample #: **405917-005** **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**2.80**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.80**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:04	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:04	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 03:04	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**2.8**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.491**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.505**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**2.0**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**140**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 12:55 **Site:**
Sample #: **405917-006** **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**3.40**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.40**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:21	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:21	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 03:21	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**3.4**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.459**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.410**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**540**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 12:45 **Site:**
Sample #: 405917-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**2.80**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.80**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:39	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:39	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 03:39	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**2.8**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.353**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.080**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**4**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**84**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:45 **Site:**
Sample #: 405917-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**3.80**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.80**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:56	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 03:56	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 03:56	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**3.8**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.396**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.214**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**6.2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**270**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:50 **Site:**
Sample #: **405917-009** **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**3.10**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.10**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 04:14	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 04:14	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 04:14	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**3.1**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.432**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.324**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**<2**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**100**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/28/2018 11:15 **Site:**
Sample #: **405917-010** **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**2.80**	1	0.04	0.5	mg/L		09/05/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.80**	1	0.1	0.5	mg/L		09/05/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1195008
Nitrate + Nitrite, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 04:31	CO	
Nitrate, as Nitrogen	ND	1	0.017	0.1	mg/L	08/28/18	08/29/18 04:31	CO	
Nitrite, as Nitrogen	ND	1	0.013	0.1	mg/L	08/28/18	08/29/18 04:31	CO	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1194965
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/29/18	08/29/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1195130
Total Kjeldahl Nitrogen	**2.8**	1	0.052	0.4	mg/L	09/04/18	09/04/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1195171
Total Phosphorous as P	**0.416**	1	0.01	0.02	mg/L	09/05/18	09/05/18	TP	
Total Phosphorous as PO4	**1.276**	1	0.03	0.06	mg/L	09/05/18	09/05/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1194947
Fecal Coliform	**28**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	
Total Coliform	**210**	2			MPN/100ml	08/28/18 16:00	08/30/18	SK	

QCBatchID: QC1194965 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/29/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1194965MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194965LCS1											
Ammonia, as Nitrogen	5		4.79		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1194965MS1, QC1194965MSD1												**Source: 405917-002**
Ammonia, as Nitrogen	ND	5	5	6.12	6.14	mg/L	122	123	0.3	80-120	20	M

QCBatchID: QC1195008	**Analyst:** cota	**Method:** EPA 300.0	
Matrix: Water	**Analyzed:** 08/28/2018	**Instrument:** AAICP (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195008MB1					
Nitrate + Nitrite, as Nitrogen	**0.03 J**	mg/L	0.017	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.017	0.1	
Nitrite, as Nitrogen	**0.03 J**	mg/L	0.013	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1195008LCS1, QC1195008LCSD1											
Nitrate, as Nitrogen	9.03	9.03	9.02	9.04	mg/L	100	100	0	90-110	20	
Nitrite, as Nitrogen	9.15	9.15	8.32	8.79	mg/L	91	96	5	90-110	20	

QCBatchID: QC1195130 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 09/04/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195130MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195130LCS1											
Total Kjeldahl Nitrogen	2.5		2.8		mg/L	112			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195130MS1, QC1195130MSD1												**Source: 406045-001**
Total Kjeldahl Nitrogen	ND	12.5	12.5	12	12	mg/L	96	96	0.0	80-120	20	

QCBatchID: QC1195171 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 09/05/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1195171MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195171LCS1											
Total Phosphorous as P	0.4		0.429		mg/L	107			80-120		
Total Phosphorous as PO4	1.23		1.320		mg/L	107			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1195171MS1, QC1195171MSD1												**Source: 406045-001**
Total Phosphorous as P	1.470	2	2	3.10	3.11	mg/L	82	82	0.3	75-125	20	
Total Phosphorous as PO4	4.51	6.132	6.132	9.52	9.54	mg/L	82	82	0.2	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:	405917			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-644-4455	Global ID:	
Cell:		Sampled By:	JM + JP Rincon Consult.

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)	Test Instructions / Comments
N-001	8/28/18	1100		3		X	X	X	X	
N-002	8/28/18	1105				X	X	X	X	
N-003	8/28/18	1110				X	X	X	X	
N-004	8/28/18	1030				X	X	X	X	~~trade~~ JP
L-001	8/28/18	1235				X	X	X	X	
L-002	8/28/18	1255				X	X	X	X	
L-003	8/28/18	1245				X	X	X	X	
L-004	8/28/18	1145				X	X	X	X	
L-005	8/28/18	1150				X	X	X	X	
L-006	8/28/18	1115				X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime, Mullin	Rincon	8/28/18 1305
[1] Received By:			Enthalpy	8/28/18 1306
[2] Relinquished By:			Enthalpy	8/28/18 1447
[2] Received By:			CR	8/28/18 1447
[3] Relinquished By:				

2.1/9.7°C

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Ventura Project: Malibu Annual

Date Received: 8/28/18 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: 9.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/28/18