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November 10, 2022

Jolene Lozewski
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway Albany, NY 12233-7020
Tel: (518) 402-9621

Re: Former Quick and Clean
380 Rockaway Turnpike
Cedarhurst, New York

NYSDEC Site No. 130198
Quarterly Sampling Report (QSR)

Dear Ms. Lozewski,

This correspondence is a summary of quarterly activities conducted at the Former Quick and Clean Cleaners facility located in Cedarhurst, New York (area & site map included as Figure-1 and Figure-2). The quarterly sampling activities were conducted on October 14, 2022 and included: well gauging, well sampling and testing.

A site map was developed depicting the groundwater flow direction (Figure-3) and separate tables are included listing the depth to groundwater (DTW) measurements and laboratory test results. (Table-1 and Table-2).

Quarterly Monitoring and Sampling

The latest monitoring/sampling event was conducted on October 14, 2022 which included the following activities:

- DTW measurements at the four (4) site monitoring wells
- Purging and sampling of on-site groundwater monitoring wells
- Testing of monitoring wells by EPA method 8260C
- Effluent air testing via summa can TO-15
- Preparation of summary report

At the time of the sampling, depth to groundwater across the subject property was measured between 5.65 ft. and 11.20 ft. bgs. As indicated on the attached Table 1, no free phase product was detected in any of the groundwater monitoring wells. Previous water table elevation measurements were used to prepare the site specific groundwater flow map (Figure 3).

Based upon prior site data and past survey data using on-site monitoring wells to form a triangulation (MW-1- 4) the flow direction was determined to flow to the northwest.

Groundwater Sampling

Subsequent to the recording of groundwater measurements, the monitoring wells were adequately purged and sampled for volatile organic compounds (VOCs) via method 8260C. The samples were analyzed by American Analytical Laboratories, a NYSDOH-ELAP certified laboratory under appropriate chain of custody protocols. Laboratory data summary sheets are provided as Table-2. The original lab results package is attached as Appendix-A.

The results of the laboratory analysis were compared to NYSDEC Class GA Groundwater Standards and Guidance Values (SGVs) set forth in the Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 reissued June 1998, addenda April 2000 and June 2004. Chlorinated constituents tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-Dichloroethene (1,2 DCE) and trans-1,2-Dichloroethene (1,2 DCE) all have a groundwater standard of 5 *ppb* and Vinyl Chloride (VC) has a standard of 2 *ppb*. Quarterly sampling results are summarized in Table-2, which report the presence of chlorinated VOCs detected. Detections recorded above the TOGS groundwater standards are highlighted on Table-2.

Chlorinated VOCs were present above the TOGS standards for groundwater in each of the monitoring wells sampled: MW-1, MW-2, MW-3 and MW-4. PCE and TCE concentrations were non-detect at well MW-1, cis-1,2-Dichloroethene was detected above standards at 4,010.0 *ppb*, trans-1,2-Dichloroethene was detected above standards at 14.0 *ppb*, and VC was detected above standards at 46.3 *ppb*. PCE and TCE concentrations were non-detect at well MW-2, cis-1,2-Dichloroethene was detected above standards at 36,700.0 *ppb*, trans-1,2-Dichloroethene was detected above standards at 188.0 *ppb*, and VC was detected above standards at 4,190.0 *ppb*. PCE and TCE concentrations were non-detect at well MW-3, cis-1,2-Dichloroethene was detected above standards at 163.0 *ppb*, trans-1,2-Dichloroethene was non-detect, and VC was detected at 2.0 *ppb*. PCE and TCE concentrations were non-detect at well MW-4, cis-1,2-Dichloroethene was detected above standards at 32.9 *ppb*, trans-1,2-Dichloroethene was non-detect, and VC was detected above standards at 3.3 *ppb*.

Groundwater also showed elevated levels of BTEX (Benzene, Toluene, Ethylbenzene, m,p-Xylene and o-Xylene) during the October 2022 sampling event. BTEX was detected at a total concentration of 14,819.30 *ppb* in MW-1, at 3,766.6 *ppb* in MW-2, at 1,539.0 *ppb* in MW-3, and at 4,119.30 *ppb* in MW-4. A decrease in Total VOC concentrations was seen at all wells during this most recent quarterly sampling event. Concentrations may be due to contamination from one of the nearby gas stations.

Effluent Air Testing

Effluent air testing is conducted on a quarterly basis and analyzed by an ELAP certified lab via EPA TO-15 parameters for VOCs. The results for this event documented sub-slab vapor readings for PCE at 246 ppbv; TCE at 90 ppbv; total DCE at 221 ppbv and VC at 3.0 ppbv. The results are tabulated and included on the attached Table-2.

The effluent collection procedure involves connection from the effluent sampling port to the summa can, affixed with a 30 second grab regulator with clean 3/8" poly-tubing. The can is opened upon proper connection of the sample tubing and the sample is procured over the 30 second interval or until the pressure on the summa can achieves a negative pressure reading between -1.0 and -5.0 psi.

Interim Remedial Measure (IRM) Construction Completion Report (CCR)

An IRM CCR has been drafted documenting the overall installation of the SSDS system. The IRM CCR includes an Operation, Maintenance and Monitoring (OM&M) Plan, which was provided to the building manager and is available on-site in order to maintain proper operation of the system.

Conclusions

Continued monitoring/sampling of groundwater will continue on a quarterly basis as well as quarterly sampling and monthly monitoring of the SSDS. All monthly OM&M activities are included in the Monthly Progress Reports (MPR's). The next quarterly sampling event is scheduled for January 2023.

Sincerely,

John V. Soderberg P.E

cc Phil Shapiro (client)
Justin Halpin (BEI)
Jacquelyn Nealon (NYSDOH)
Charlotte Bethoney (NYSDOH)
Alali Tamuno (DEC)
Bob Corcoran (DEC)

JOHN V. SODERBERG, P.E.

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625 Broadway Albany, NY 12233-7020
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Re: Monthly SSDS Monitoring for August 2022
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

On August 11th, 2022, BEI personnel were at the above mentioned site for monthly monitoring and maintenance operations (OM&M). Personnel mobilized to the site listed above to gauge PID readings on the north and south legs and the exhaust of the sub-slab depressurization system (SSDS). Attached to this report are the following:

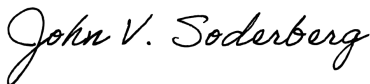
- * Field Maintenance Log (Attachment-A)
- * Tables (Table-1 and Table-2)
- * Site Location/ Map/As-Built (Figure-1, 2, and 3)
- * Lab Data (Attachment-B)

While on-site, personnel recorded PID readings and air flow concentrations on all sampling ports associated with the system. All system components were checked for leaks, cracks and electrical components were also inspected.

*The next monitoring events are scheduled for September, October, and November 2022.

*This OM&M report is due on November 10th, 2022 and all Monthly OM&M reports will be included in the Quarterly Sampling Report and will be forwarded to NYSDEC to the attention of Jolene Lozewski.

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Re: Monthly SSDS Monitoring for September 2022
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

On September 15th, 2022, BEI personnel were at the above mentioned site for monthly monitoring and maintenance operations (OM&M). Personnel mobilized to the site listed above to gauge PID readings on the north and south legs and the exhaust of the sub-slab depressurization system (SSDS). Attached to this report are the following:

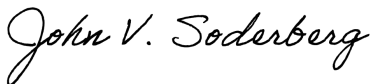
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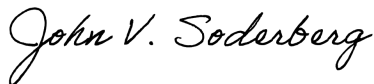
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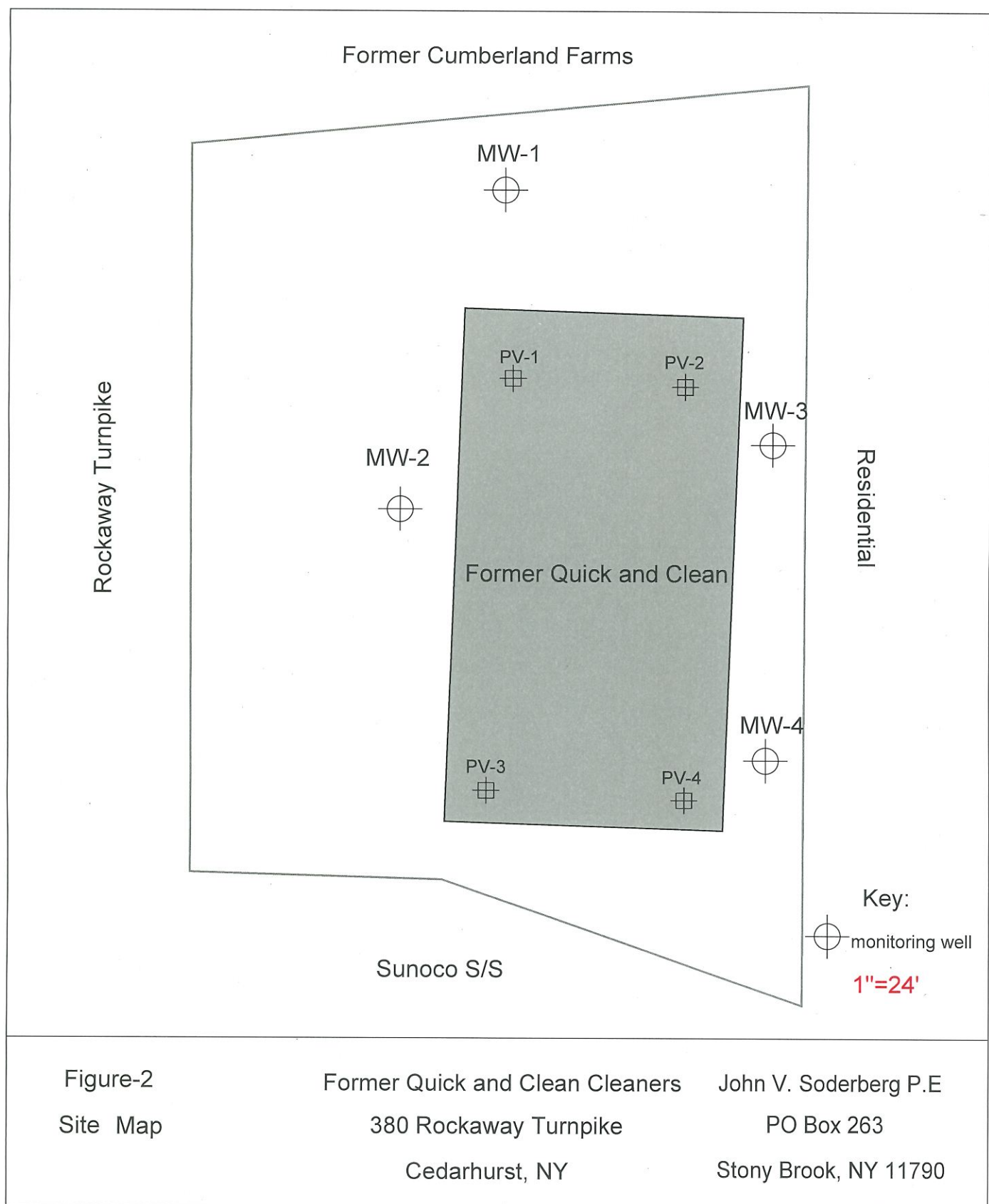
Sincerely,

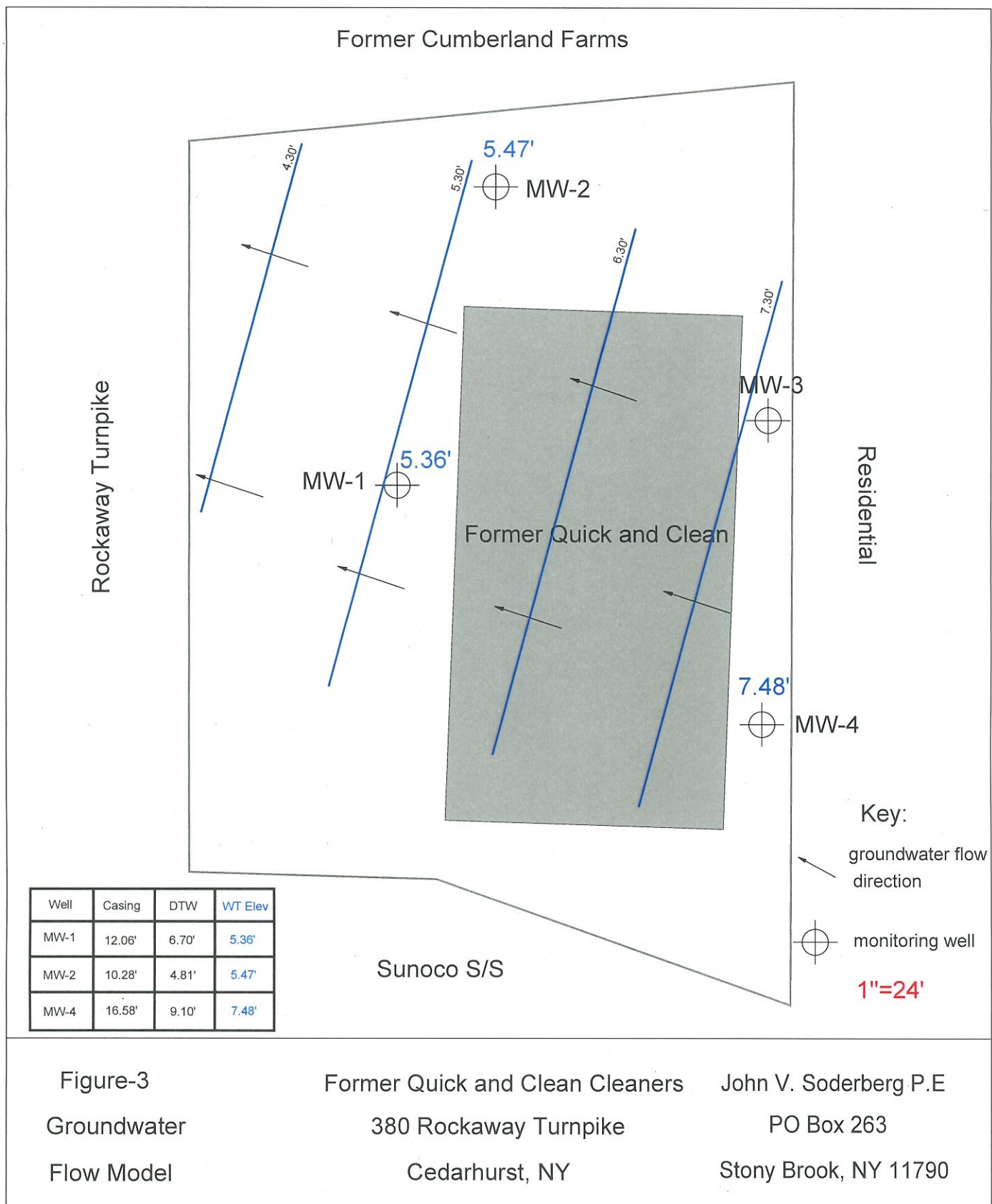


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FIGURES







Former Cumberland Farms SS

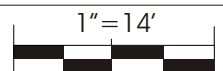
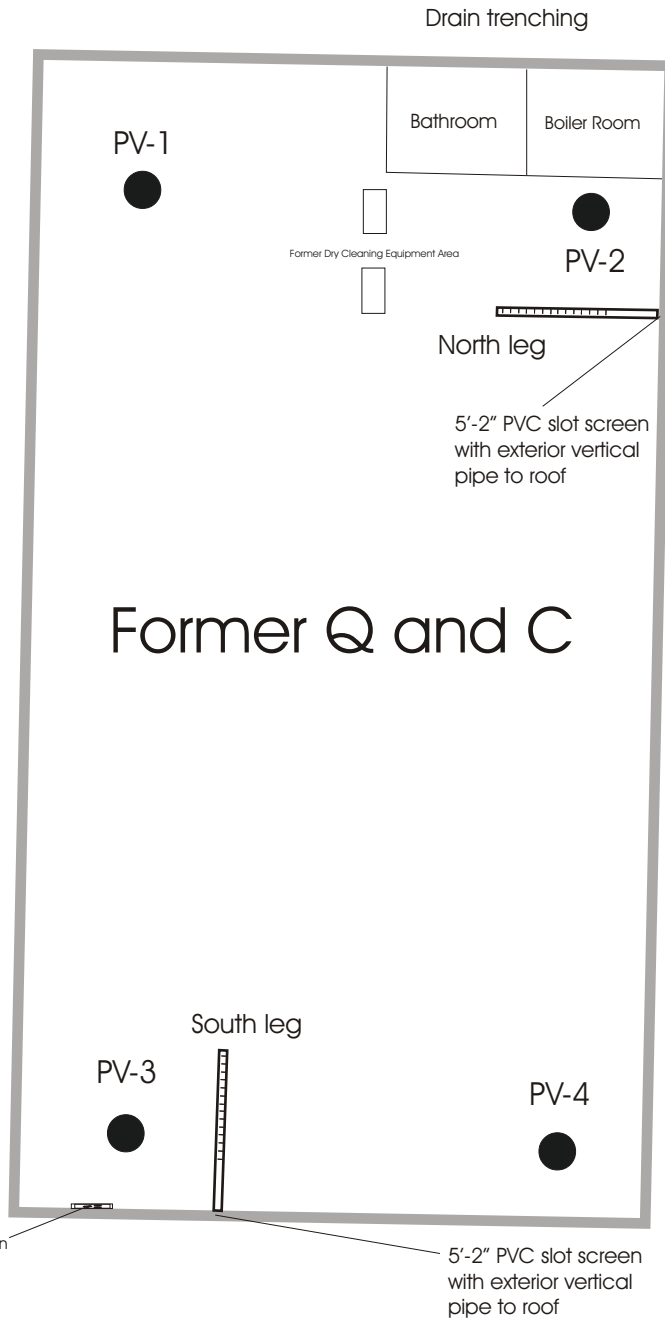
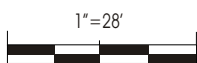
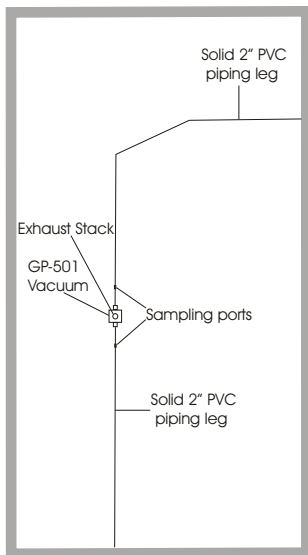
● Perm vapor point

Rockaway Turnpike

Fence

Residential

PLAN VIEW ROOFTOP CONSTRUCTION



Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, New York

Figure-4
SSDS
As-built

John V. Soderberg P.E
PO Box 263
Stony Brook, New York

TABLES

TABLE-1
MONITORING WELL MEASUREMENTS

Site Location:

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

Client:

380 Rockaway Turnpike Realty Corp
36 Lawrence Avenue
Lawrence, NY

Abbreviation Key

DTW - Depth to Water from Casing (ft)	D - Dry	V - Disabled Vehicle over Well
DTP - Depth to Product from Casing (ft)	C - Cannot Locate	R - Recovery Pump in Well
PT - Product Thickness (ft)	G - Gone / Destroyed	
T - Trace Product	D.O. - Dissolved Oxygen	

October 14, 2022

Wells	DTW	DTP	PT	D.O.
MW-1	7.83	--	--	4.66
MW-2	5.65	--	--	4.13
MW-3	10.24	--	--	5.08
MW-4	11.20	--	--	4.63

TABLE-1
SSDS

Site Location:

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

Client:

380 Rockaway Turnpike Realty Corp
36 Lawrence Avenue
Lawrence, NY

Abbreviation Key

PID - Photo Ionization Detector

FPM- feet per minute

ppm- parts per million

August 11, 2022

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	1.5	252
North Leg	0.0	258
South Leg	0.0	292

TABLE-1
SSDS

Site Location:

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

Client:

380 Rockaway Turnpike Realty Corp
36 Lawrence Avenue
Lawrence, NY

Abbreviation Key

PID - Photo Ionization Detector

FPM- feet per minute

ppm- parts per million

September 15, 2022

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	0.2	282
North Leg	0.0	274
South Leg	0.0	307

TABLE-1
SSDS

Site Location:

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

Client:

380 Rockaway Turnpike Realty Corp
36 Lawrence Avenue
Lawrence, NY

Abbreviation Key

PID - Photo Ionization Detector

FPM- feet per minute

ppm- parts per million

October 14, 2022

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	0.0	208
North Leg	0.0	342
South Leg	0.0	316

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY
As of October 2022
Table-2

MW-1	DTW	PCE	TCE	Total DCE	VC
Oct 2022	7.83	n/d	n/d	4,024.0	46.3
Jul 2022	7.94	n/d	n/d	4,947.4	80
Apr 2022	7.60	n/d	1.6	6,252.0	191
Jan 2022	7.80	2.0	2.9	14,170.0	680
Oct 2021	7.23	2.4	22.0	10,010.0	1,400
Jul 2021	7.27	13	59.0	5,311.0	870
Apr 2021	7.33	1.5	97.0	17,057.0	1,300
Jan 2021	7.23	n/d	n/d	12,000.0	96
Oct 2020	7.35	0.8	n/d	3,201.9	36
Jul 2020	7.56	1.1	n/d	1,911.0	61
Apr 2020	Blocked	NA	NA	NA	NA
Jan 2020	7.33	1.3	n/d	13,034.0	450
Oct 2019	7.40	3.6	n/d	24,092.0	380
Aug 2019	7.40	37	n/d	25,120.0	2,100
Apr 2019	7.17	<1	n/d	13,022.0	270
Jan 2019	6.27	3.6	3.6	12,022.0	160
Oct 2018	7.11	1.6	n/d	8,807.9	220
Jul 2018	7.82	0.77	100.0	7.3	450
Apr 2018	6.52	0.3	n/d	5,212.0	240
Jan 2018	7.54	0.3	n/d	1,801.7	35
Oct 2017	7.78	1.5	9.8	2,305.7	280
Jul 2017	7.04	0.4	4.7	5,424.0	420
Apr 2017	7.07	0.5	n/d	2,418.0	n/d
Feb 2017	7.36	0.4	n/d	2,703.4	n/d
Oct 2016	6.56	0.7	n/d	892.3	n/d
Jul 2016	6.45	n/d	n/d	6,307.0	18
Apr 2016	6.87	0.5	n/d	14,000.0	200
Jan 2016	7.52	n/d	n/d	12,021.0	160
Oct 2015	7.68	1.4	n/d	9,336.0	190

MW-3	DTW	PCE	TCE	Total DCE	VC
Oct 2022	10.24	n/d	n/d	163.0	2
Jul 2022	10.60	1.5	1.3	71.8	n/d
Apr 2022	10.27	1.6	n/d	87.9	n/d
Jan 2022	10.50	1.7	n/d	60	n/d
Oct 2021	8.98	0.84	n/d	6.7	n/d
Jul 2021	9.00	1.1	n/d	120	n/d
Apr 2021	10.01	1.1	n/d	50	n/d
Jan 2021	9.87	n/d	n/d	220	n/d
Oct 2020	10.05	1.1	n/d	200	n/d
Jul 2020	10.25	1.4	n/d	40	n/d
Apr 2020	9.98	n/d	n/d	19.3	n/d
Jan 2020	9.95	0.9	n/d	8.1	n/d
Oct 2019	10.01	n/d	n/d	230.0	n/d
Aug 2019	10.02	1.9	n/d	50.0	n/d
Apr 2019	9.81	0.4	n/d	0.9	n/d
Jan 2019	9.29	0.4	n/d	3.2	n/d
Oct 2018	9.81	0.4	n/d	26.0	n/d
Jul 2018	10.45	1.4	n/d	35.3	n/d
Apr 2018	9.33	0.6	n/d	67.3	n/d
Jan 2018	9.08	n/d	n/d	140.0	n/d
Oct 2017	9.26	0.6	n/d	251.4	n/d
Jul 2017	9.37	0.5	n/d	231.3	n/d
Apr 2017	9.63	0.5	n/d	632.6	n/d
Feb 2017	10.00	0.3	0.9	651.8	n/d
Oct 2016	9.89	n/d	n/d	10.0	n/d
Jul 2016	9.82	1.4	n/d	381.0	n/d
Apr 2016	10.24	1.0	n/d	39.0	n/d
Jan 2016	10.12	0.9	n/d	29.0	n/d
Oct 2015	10.28	2.2	n/d	92.0	n/d

MW-2	DTW	PCE	TCE	Total DCE	VC
Oct 2022	5.65	n/d	n/d	36,888.0	4,190
Jul 2022	5.99	n/d	1.7	34,448.0	4,250
Apr 2022	5.66	1.1	6.5	10,885.6	1,070
Jan 2022	5.99	1.2	8.9	13,065.0	3,300
Oct 2021	5.41	8.0	4.0	3,112.0	1,900
Jul 2021	5.45	0.55	6.2	8,038.0	3,600
Apr 2021	5.42	n/d	4.9	6,811.0	860
Jan 2021	5.40	n/d	n/d	34,000.0	2,100
Oct 2020	5.45	n/d	n/d	33,044.0	4,400
Jul 2020	5.75	1.8	7.5	12,021.0	2,300
Apr 2020	5.60	15.4	15.3	155.0	n/d
Jan 2020	5.50	6.3	n/d	1,001.0	n/d
Oct 2019	5.65	n/d	2.2	1,416.0	340
Aug 2019	VEHICLE	OVER	WELL	NA	NA
Apr 2019	5.36	<1	3.2	450.3	100
Jan 2019	4.83	n/d	n/d	160.3	78
Oct 2018	5.34	3.4	32.0	3,304.8	720
Jul 2018	5.82	0.4	0.9	8,107.2	960
Apr 2018	5.12	1.6	23.0	1,702.2	330
Jan 2018	6.3	0.3	1.2	12,006.8	1,500
Oct 2017	6.52	0.3	1.4	5,306.7	1,400
Jul 2017	5.29	0.5	4.7	3,307.0	510
Apr 2017	5.36	0.5	3.3	4,480.0	590
Feb 2017	5.62	n/d	1.4	7,804.1	810
Oct 2016	5.44	0.5	n/d	6,217.0	1,300
Jul 2016	5.38	n/d	1.0	11,009.0	1,500
Apr 2016	5.72	1.0	6.0	2,500.0	310
Jan 2016	5.84	0.8	6.6	1,802.9	690
Oct 2015	5.93	1.7	4.2	513.0	530

MW-4	DTW	PCE	TCE	Total DCE	VC
Oct 2022	11.20	n/d	n/d	32.9	3.3
Jul 2022	11.50	1.2	n/d	29.7	n/d
Apr 2022	11.15	1.4	n/d	79.2	6.3
Jan 2022	11.52	2.4	0.91	130	n/d
Oct 2021	10.75	3.6	1.4	280.64	n/d
Jul 2021	10.77	1.1	n/d	63	n/d
Apr 2021	10.88	1.2	n/d	120	n/d
Jan 2021	11.70	n/d	n/d	490	22
Oct 2020	10.91	1.2	n/d	140	n/d
Jul 2020	11.11	0.8	n/d	19	n/d
Apr 2020	10.85	n/d	n/d	118.0	n/d
Jan 2020	10.75	1.7	15.0	10,020.0	2,100
Oct 2019	10.94	0.95	n/d	140.0	n/d
Aug 2019	10.93	2.1	n/d	26.0	n/d
Apr 2019	10.65	1.0	n/d	300.0	<1
Jan 2019	10.15	1.1	0.5	730.3	n/d
Oct 2018	10.55	1.1	n/d	450.3	15
Jul 2018	11.13	2.4	n/d	70.0	n/d
Apr 2018	10.26	0.9	0.7	1,300.9	26
Jan 2018	9.81	n/d	n/d	2,100.0	n/d
Oct 2017	10.04	2.2	1.2	2,601.4	n/d
Jul 2017	10.21	0.5	n/d	32.0	n/d
Apr 2017	10.5	0.9	n/d	1,606.6	n/d
Feb 2017	10.90	0.7	0.9	1,500.6	21
Oct 2016	10.82	0.7	n/d	93.0	n/d
Jul 2016	10.76	1.1	n/d	761.0	n/d
Apr 2016	11.15	1.0	n/d	471.0	23
Jan 2016	11.06	n/d	n/d	180.0	23
Oct 2015	11.22	1.1	n/d	580.0	45

*highlighted box is above TOGS Standard for Groundwater

*results in ppb

*n/d = non-detect

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY
As of October 2022

MW-1	DTW	BTEX	Total VOCs
Oct 2022	7.83	14,819.30	18,880.50
Jul 2022	7.94	30,067.20	40,423.40
Apr 2022	7.60	19,918.30	24,955.70
Jan 2022	7.80	24,617	31,826.00
Oct 2021	7.23	8,434.80	10,607.80
Jul 2021	7.27	9,685.70	13,366.70
Apr 2021	7.33	12,123	14,933.00
Jan 2021	7.23	26,735	30,797.00
Oct 2020	7.35	8,977.30	11,932.30
Jul 2020	7.56	7,505.40	9,951.40
Apr 2020	Blocked	NA	NA
Jan 2020	7.33	8,226.40	10,454.50
Oct 2019	7.40	11,820	15,639.00
Aug 2019	7.40	13,790	18,400
Apr 2019	7.17	4,923.30	6,075.50
Jan 2019	6.27	5,107.90	6,098.40
Oct 2018	7.11	7,639.80	8,841.50
Jul 2018	7.82	3,831.80	5,011.80

MW-3	DTW	BTEX	Total VOCs
Oct 2022	10.24	1,539.00	2,964.70
Jul 2022	10.60	2,648.00	6,126.40
Apr 2022	10.27	2,395.50	5,016.10
Jan 2022	10.50	3,515.60	5,452.10
Oct 2021	8.98	991.00	2,310.70
Jul 2021	9.00	1,910.00	3,592.80
Apr 2021	10.01	1,388.00	2,872.00
Jan 2021	9.87	3,480.00	6,252.00
Oct 2020	10.05	1,760.72	3,572.72
Jul 2020	10.25	1,812.00	3,795.00
Apr 2020	9.98	330.68	1,077.45
Jan 2020	9.95	544.00	1,475.50
Oct 2019	10.01	2,990.00	5,694.00
Aug 2019	10.02	3,012	5,908
Apr 2019	9.81	277.9	843.8
Jan 2019	9.29	230	567.9
Oct 2018	9.81	222.3	552.36
Jul 2018	10.45	2,423.00	4,120.30

MW-2	DTW	BTEX	Total VOCs
Oct 2022	5.65	3,766.6	5,675.10
Jul 2022	5.99	7,080.0	13,287.30
Apr 2022	5.66	3,161.7	4,987.50
Jan 2022	5.99	2,890.0	6,660.00
Oct 2021	5.41	3,026.30	4,788.30
Jul 2021	5.45	1,660.6	2,496.30
Apr 2021	5.42	1,477.1	2,280.00
Jan 2021	5.40	4,460.0	6,561.00
Oct 2020	5.45	4,355	6,326.40
Jul 2020	5.75	877	1,516.00
Apr 2020	5.60	486.24	988.05
Jan 2020	5.50	13,212.0	15,913.50
Oct 2019	5.65	14,320	17,689.00
Aug 2019	VEHICLE	OVER	WELL
Apr 2019	5.36	1633.67	2,298.07
Jan 2019	4.83	211.1	332.57
Oct 2018	5.34	778.95	1,173.82
Jul 2018	5.82	1,589.9	2,228.80

MW-4	DTW	BTEX	Total VOCs
Oct 2022	11.20	4,119.30	5,920.10
Jul 2022	11.50	6,037.90	8,292.50
Apr 2022	11.15	8,239.70	10,364.70
Jan 2022	11.52	9,386.20	12,047.90
Oct 2021	10.75	17,109.70	20,098.90
Jul 2021	10.77	5,351.60	6,822.90
Apr 2021	10.88	4,112.60	5,343.60
Jan 2021	11.70	10,990.00	13,488.00
Oct 2020	10.91	6,581.80	8,842.90
Jul 2020	11.11	2,960.66	4,418.76
Apr 2020	10.85	2,994.00	4,078.40
Jan 2020	10.75	2,005.50	3,410.80
Oct 2019	10.94	1,076.70	1,693.30
Aug 2019	10.93	2,270.00	4,074.00
Apr 2019	10.65	1,249.90	1,557.48
Jan 2019	10.15	1,793.10	2,220.63
Oct 2018	10.55	1,722	2,309.80
Jul 2018	11.13	863.20	1,503.70

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY
As of October 2022
Table-2

SSDS Stack emissions (ppbv)

SSDS	PCE	TCE	Total DCE	VC
Oct 2022	246	90	220.58	2.54
Jul 2022	164	100	256.72	n/d
Apr 2022	25.3	31	112.36	0.31
Jan 2022	93.5	51	142.79	n/d
Oct 2021	31.8	24.2	103.987	n/d
Jul 2021	36	39.5	263.14	0.912
Apr 2021	13.3	14.6	96.132	n/d
Jan 2021	23.6	32.6	104.947	2.01
Oct 2020	40.9	41.5	165.46	2.9
Sept 2020	45.9	39.6	151.12	n/d
Jul 2020	54.1	38	169.26	0.71
Apr 2020	26.6	29.5	121.75	n/d
Jan 2020	30	26.6	97.516	1.06
Oct 2019	68.1	68.1	278.79	1.84
Aug 2019	58.9	64	239.62	n/d
Apr 2019	19	n/d	160	n/d
Jan 2019	21	n/d	120	n/d
Oct 2018	22	n/d	180	n/d
August 2018	380	n/d	330	n/d
July 2018	110	70	370	n/d
June 2018	43	38	310	n/d
May 2018	49	45	260	n/d
Apr 2018	22	n/d	180	n/d
Mar 2018	n/d	n/d	n/d	n/d
Feb 2018	180	68	300	n/d
Jan 2018	160	75	240	n/d
Dec 2017	27	n/d	n/d	n/d
Nov 2017	74	140	820	n/d
Oct 2017	69	94	400	n/d
Sept 2017	56	98	470	n/d
Aug 2017	60	47	230	n/d
July 2017	n/d	n/d	300	n/d
June 2017	54	n/d	300	n/d
May 2017	53	64	470	n/d
Apr 2017	34	n/d	250	n/d
Mar 2017	91	70	320	n/d
Feb 2017	44	31	300	n/d
Jan 2017	43	n/d	280	n/d
Dec 2016	250	120	n/d	n/d
Nov 2016	310	170	640	n/d
Oct 2016	120	79	400	n/d
Sept 2016	ns	ns	ns	ns
Aug 2016	78	62	430	n/d
Jul 2016	640	230	1100	n/d
Apr 2016	27	n/d	n/d	n/d
Jan 2016	n/d	n/d	n/d	n/d
Oct 2015	96	n/d	360	n/d

*ns=not sampled

*n/d=non-detect

ATTACHMENT-A

Field Tech Log

John V. Soderberg P.E
SSDS System Monitor and Maintenance

Site Name: Quick and Clean

Site# 130198

Address: Cedarhurst, NY Monthly monitoring/ testing/ quarterly sampling

Remediation System Present? yes

Type of System?

Sub-slab Depressurization System

SSDS

Sampling Date: 08/11/22

Air Flow Reading

Pre motor vac : -- "/H2O

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	258	0.0
South Leg	292	0.0
Exhaust	252	1.5
PV-1	GONE	—
PV-2	GONE	—
PV-3	GONE	—
PV-4	GONE	—

Site Inspection:

Was System Shutdown Warning Light On x Off

If Off Why?

Any Visible Signs Of Leaks? No

Indicate Any Sampling Procedures:

PID Readings, MiniRae 2000, in ppm

-

Sampled by: Steven Polen

John V. Soderberg P.E
SSDS System Monitor and Maintenance

Site Name: Quick and Clean

Site# 130198

Address: Cedarhurst, NY Monthly monitoring/ testing/ quarterly sampling

Remediation System Present? yes

Type of System?

Sub-slab Depressurization System

SSDS

Sampling Date: 09/15/22

Air Flow Reading

Pre motor vac : -- "/H2O

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	274	0.0
South Leg	307	0.0
Exhaust	282	0.2
PV-1	GONE	—
PV-2	GONE	—
PV-3	GONE	—
PV-4	GONE	—

Site Inspection:

Was System Shutdown Warning Light On_x_ Off__

If Off Why?

Indicate Any Sampling Procedures:

PID Readings, MiniRae 2000, in ppm

-

Any Visible Signs Of Leaks? No

Sampled by: Steven Polen

John V. Soderberg P.E
SSDS System Monitor and Maintenance

Site Name: Quick and Clean	Site# 130198
Address: Cedarhurst, NY Monthly monitoring/ testing/ quarterly sampling	

Remediation System Present? yes	Air Flow Reading
Type of System?	
Sub-slab Depressurization System	
SSDS	Pre motor vac : -- "H ₂ O
Sampling Date: 10/14/22	

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	342	0.0
South Leg	316	0.0
Exhaust	208	0.0
PV-1	GONE	—
PV-2	GONE	—
PV-3	GONE	—
PV-4	GONE	—

Site Inspection:

Was System Shutdown Warning Light On x Off

If Off Why?

Any Visible Signs Of Leaks? No

Indicate Any Sampling Procedures:

PID Readings, MiniRae 2000, in ppm

Effluent SUMMA Cannister (TO-15)

Sampled by: Steven Polen

APPENDIX-A

Laboratory Data

October 24, 2022

Justin Halpin
WRS d.b.a. Berninger Environmental
17 Old Dock Road
Yaphank, NY 11980

RE: Project: FORMER QUICK + CLEAN / 17978
Pace Project No.: 70233350

Dear Justin Halpin:

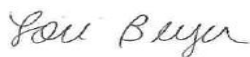
Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lori A. Beyer
lori.beyer@pacelabs.com
(516)370-6014
Project Manager

Enclosures

cc: Alicia Patti, WRS d.b.a. Berninger Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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SAMPLE SUMMARY

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70233350001	MW-1	Water	10/14/22 09:15	10/14/22 12:31
70233350002	MW-2	Water	10/14/22 09:30	10/14/22 12:31
70233350003	MW-3	Water	10/14/22 09:45	10/14/22 12:31
70233350004	MW-4	Water	10/14/22 10:00	10/14/22 12:31

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SAMPLE ANALYTE COUNT

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70233350001	MW-1	EPA 8260C/5030C	BBL, KGG	73
70233350002	MW-2	EPA 8260C/5030C	BBL, TJD	73
70233350003	MW-3	EPA 8260C/5030C	BBL, KGG	73
70233350004	MW-4	EPA 8260C/5030C	BBL, KGG	73

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-1		Lab ID: 70233350001		Collected: 10/14/22 09:15		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<5.0	ug/L	5.0	1.9	1		10/18/22 01:03	67-64-1	
Benzene	15.3	ug/L	1.0	0.58	1		10/18/22 01:03	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:03	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.43	1		10/18/22 01:03	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:03	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.61	1		10/18/22 01:03	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.74	1		10/18/22 01:03	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	0.51	1		10/18/22 01:03	78-93-3	
n-Butylbenzene	85.2	ug/L	1.0	0.38	1		10/18/22 01:03	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	0.30	1		10/18/22 01:03	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.37	1		10/18/22 01:03	98-06-6	
Carbon disulfide	1.2	ug/L	1.0	0.57	1		10/18/22 01:03	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.33	1		10/18/22 01:03	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.57	1		10/18/22 01:03	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	0.41	1		10/18/22 01:03	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	0.64	1		10/18/22 01:03	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.56	1		10/18/22 01:03	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.63	1		10/18/22 01:03	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:03	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	0.41	1		10/18/22 01:03	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/18/22 01:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.40	1		10/18/22 01:03	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:03	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:03	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:03	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.48	1		10/18/22 01:03	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	0.78	1		10/18/22 01:03	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.37	1		10/18/22 01:03	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	0.58	1		10/18/22 01:03	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.40	1		10/18/22 01:03	107-06-2	
1,1-Dichloroethene	13.7	ug/L	1.0	0.54	1		10/18/22 01:03	75-35-4	
cis-1,2-Dichloroethene	4010	ug/L	50.0	12.2	50		10/18/22 23:02	156-59-2	
trans-1,2-Dichloroethene	14.0	ug/L	1.0	0.56	1		10/18/22 01:03	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:03	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	0.42	1		10/18/22 01:03	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	0.54	1		10/18/22 01:03	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	0.54	1		10/18/22 01:03	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:03	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/18/22 01:03	10061-02-6	
1,4-Diethylbenzene	339	ug/L	50.0	7.4	50		10/18/22 23:02	105-05-5	L2,N3
Ethanol	<250	ug/L	250	54.4	1		10/18/22 01:03	64-17-5	
Ethylbenzene	784	ug/L	50.0	8.0	50		10/18/22 23:02	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:03	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	0.74	1		10/18/22 01:03	591-78-6	
Isopropylbenzene (Cumene)	60.0	ug/L	1.0	0.40	1		10/18/22 01:03	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-1		Lab ID: 70233350001		Collected: 10/14/22 09:15		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
p-Isopropyltoluene	17.0	ug/L	1.0	0.37	1		10/18/22 01:03	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	0.77	1		10/18/22 01:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	0.36	1		10/18/22 01:03	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.51	1		10/18/22 01:03	1634-04-4	
Naphthalene	658	ug/L	50.0	42.2	50		10/18/22 23:02	91-20-3	
n-Propylbenzene	136	ug/L	1.0	0.33	1		10/18/22 01:03	103-65-1	
Styrene	<1.0	ug/L	1.0	0.57	1		10/18/22 01:03	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.59	1		10/18/22 01:03	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.39	1		10/18/22 01:03	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.53	1		10/18/22 01:03	127-18-4	
1,2,4,5-tetramethylbenzene	167	ug/L	1.0	0.58	1		10/18/22 01:03	95-93-2	N3
Toluene	3540	ug/L	50.0	10.2	50		10/18/22 23:02	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.87	1		10/18/22 01:03	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.72	1		10/18/22 01:03	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.32	1		10/18/22 01:03	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.49	1		10/18/22 01:03	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.47	1		10/18/22 01:03	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.23	1		10/18/22 01:03	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:03	96-18-4	
1,2,4-Trimethylbenzene	2420	ug/L	50.0	15.2	50		10/18/22 23:02	95-63-6	
1,3,5-Trimethylbenzene	685	ug/L	50.0	8.3	50		10/18/22 23:02	108-67-8	
Vinyl chloride	46.3	ug/L	1.0	0.48	1		10/18/22 01:03	75-01-4	
Xylene (Total)	10500	ug/L	150	8.8	50		10/18/22 23:02	1330-20-7	
m&p-Xylene	7470	ug/L	100	16.4	50		10/18/22 23:02	179601-23-1	
o-Xylene	3010	ug/L	50.0	8.8	50		10/18/22 23:02	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	81-122		1		10/18/22 01:03	17060-07-0	
4-Bromofluorobenzene (S)	78	%	79-118		1		10/18/22 01:03	460-00-4	S0
Toluene-d8 (S)	105	%	82-122		1		10/18/22 01:03	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-2		Lab ID: 70233350002		Collected: 10/14/22 09:30		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<5.0	ug/L	5.0	1.9	1		10/18/22 01:25	67-64-1	
Benzene	13.6	ug/L	1.0	0.58	1		10/18/22 01:25	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:25	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.43	1		10/18/22 01:25	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:25	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.61	1		10/18/22 01:25	75-25-2	
Bromomethane	2.7	ug/L	1.0	0.74	1		10/18/22 01:25	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	0.51	1		10/18/22 01:25	78-93-3	
n-Butylbenzene	29.1	ug/L	1.0	0.38	1		10/18/22 01:25	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	0.30	1		10/18/22 01:25	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.37	1		10/18/22 01:25	98-06-6	
Carbon disulfide	6.4	ug/L	1.0	0.57	1		10/18/22 01:25	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.33	1		10/18/22 01:25	56-23-5	
Chlorobenzene	1.3	ug/L	1.0	0.57	1		10/18/22 01:25	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	0.41	1		10/18/22 01:25	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	0.64	1		10/18/22 01:25	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.56	1		10/18/22 01:25	67-66-3	
Chloromethane	4.1	ug/L	1.0	0.63	1		10/18/22 01:25	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:25	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	0.41	1		10/18/22 01:25	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/18/22 01:25	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.40	1		10/18/22 01:25	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:25	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:25	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:25	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.48	1		10/18/22 01:25	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	0.78	1		10/18/22 01:25	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.37	1		10/18/22 01:25	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	0.58	1		10/18/22 01:25	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.40	1		10/18/22 01:25	107-06-2	
1,1-Dichloroethene	184	ug/L	1.0	0.54	1		10/18/22 01:25	75-35-4	
cis-1,2-Dichloroethene	36700	ug/L	400	200	400		10/20/22 14:52	156-59-2	
trans-1,2-Dichloroethene	188	ug/L	1.0	0.56	1		10/18/22 01:25	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:25	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	0.42	1		10/18/22 01:25	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	0.54	1		10/18/22 01:25	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	0.54	1		10/18/22 01:25	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:25	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/18/22 01:25	10061-02-6	
1,4-Diethylbenzene	181	ug/L	1.0	0.37	1		10/18/22 01:25	105-05-5	L2,N3
Ethanol	<250	ug/L	250	54.4	1		10/18/22 01:25	64-17-5	
Ethylbenzene	551	ug/L	400	207	400		10/20/22 14:52	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:25	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	0.74	1		10/18/22 01:25	591-78-6	
Isopropylbenzene (Cumene)	36.3	ug/L	1.0	0.40	1		10/18/22 01:25	98-82-8	

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-2		Lab ID: 70233350002		Collected: 10/14/22 09:30		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
p-Isopropyltoluene	7.7	ug/L	1.0	0.37	1		10/18/22 01:25	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	0.77	1		10/18/22 01:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	0.36	1		10/18/22 01:25	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.51	1		10/18/22 01:25	1634-04-4	
Naphthalene	458	ug/L	400	274	400		10/20/22 14:52	91-20-3	
n-Propylbenzene	73.4	ug/L	1.0	0.33	1		10/18/22 01:25	103-65-1	
Styrene	<1.0	ug/L	1.0	0.57	1		10/18/22 01:25	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.59	1		10/18/22 01:25	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.39	1		10/18/22 01:25	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.53	1		10/18/22 01:25	127-18-4	
1,2,4,5-tetramethylbenzene	71.9	ug/L	1.0	0.58	1		10/18/22 01:25	95-93-2	N3
Toluene	142	ug/L	1.0	0.57	1		10/18/22 01:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.87	1		10/18/22 01:25	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.72	1		10/18/22 01:25	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.32	1		10/18/22 01:25	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.49	1		10/18/22 01:25	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.47	1		10/18/22 01:25	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.23	1		10/18/22 01:25	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:25	96-18-4	
1,2,4-Trimethylbenzene	968	ug/L	400	202	400		10/20/22 14:52	95-63-6	
1,3,5-Trimethylbenzene	336	ug/L	1.0	0.51	1		10/18/22 01:25	108-67-8	E
Vinyl chloride	4190	ug/L	400	194	400		10/20/22 14:52	75-01-4	
Xylene (Total)	3050	ug/L	1200	186	400		10/20/22 14:52	1330-20-7	
m&p-Xylene	2070	ug/L	800	371	400		10/20/22 14:52	179601-23-1	
o-Xylene	990	ug/L	400	186	400		10/20/22 14:52	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	81-122		1		10/18/22 01:25	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-118		1		10/18/22 01:25	460-00-4	
Toluene-d8 (S)	100	%	82-122		1		10/18/22 01:25	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-3		Lab ID: 70233350003		Collected: 10/14/22 09:45		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<5.0	ug/L	5.0	1.9	1		10/18/22 01:48	67-64-1	
Benzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:48	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:48	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.43	1		10/18/22 01:48	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:48	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.61	1		10/18/22 01:48	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.74	1		10/18/22 01:48	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	0.51	1		10/18/22 01:48	78-93-3	
n-Butylbenzene	37.2	ug/L	1.0	0.38	1		10/18/22 01:48	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	0.30	1		10/18/22 01:48	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.37	1		10/18/22 01:48	98-06-6	
Carbon disulfide	1.5	ug/L	1.0	0.57	1		10/18/22 01:48	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.33	1		10/18/22 01:48	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.57	1		10/18/22 01:48	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	0.41	1		10/18/22 01:48	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	0.64	1		10/18/22 01:48	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.56	1		10/18/22 01:48	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.63	1		10/18/22 01:48	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:48	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	0.41	1		10/18/22 01:48	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/18/22 01:48	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.40	1		10/18/22 01:48	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:48	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 01:48	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:48	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.48	1		10/18/22 01:48	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	0.78	1		10/18/22 01:48	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.37	1		10/18/22 01:48	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	0.58	1		10/18/22 01:48	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.40	1		10/18/22 01:48	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.54	1		10/18/22 01:48	75-35-4	
cis-1,2-Dichloroethene	163	ug/L	1.0	0.50	1		10/18/22 01:48	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.56	1		10/18/22 01:48	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.45	1		10/18/22 01:48	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	0.42	1		10/18/22 01:48	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	0.54	1		10/18/22 01:48	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	0.54	1		10/18/22 01:48	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.46	1		10/18/22 01:48	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/18/22 01:48	10061-02-6	
1,4-Diethylbenzene	135	ug/L	1.0	0.37	1		10/18/22 01:48	105-05-5	L2,N3
Ethanol	<250	ug/L	250	54.4	1		10/18/22 01:48	64-17-5	
Ethylbenzene	156	ug/L	1.0	0.52	1		10/18/22 01:48	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	0.44	1		10/18/22 01:48	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	0.74	1		10/18/22 01:48	591-78-6	
Isopropylbenzene (Cumene)	41.2	ug/L	1.0	0.40	1		10/18/22 01:48	98-82-8	

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-3		Lab ID: 70233350003		Collected: 10/14/22 09:45		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
p-Isopropyltoluene	7.3	ug/L	1.0	0.37	1		10/18/22 01:48	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	0.77	1		10/18/22 01:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	0.36	1		10/18/22 01:48	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.51	1		10/18/22 01:48	1634-04-4	
Naphthalene	121	ug/L	1.0	0.68	1		10/18/22 01:48	91-20-3	
n-Propylbenzene	119	ug/L	1.0	0.33	1		10/18/22 01:48	103-65-1	
Styrene	<1.0	ug/L	1.0	0.57	1		10/18/22 01:48	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.59	1		10/18/22 01:48	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.39	1		10/18/22 01:48	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.53	1		10/18/22 01:48	127-18-4	
1,2,4,5-tetramethylbenzene	71.6	ug/L	1.0	0.58	1		10/18/22 01:48	95-93-2	N3
Toluene	130	ug/L	1.0	0.57	1		10/18/22 01:48	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.87	1		10/18/22 01:48	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.72	1		10/18/22 01:48	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.32	1		10/18/22 01:48	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.49	1		10/18/22 01:48	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.47	1		10/18/22 01:48	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.23	1		10/18/22 01:48	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	0.48	1		10/18/22 01:48	96-18-4	
1,2,4-Trimethylbenzene	901	ug/L	10.0	3.0	10		10/18/22 23:41	95-63-6	
1,3,5-Trimethylbenzene	199	ug/L	10.0	1.7	10		10/18/22 23:41	108-67-8	
Vinyl chloride	2.0	ug/L	1.0	0.48	1		10/18/22 01:48	75-01-4	
Xylene (Total)	1250	ug/L	30.0	1.8	10		10/18/22 23:41	1330-20-7	
m&p-Xylene	894	ug/L	20.0	3.3	10		10/18/22 23:41	179601-23-1	
o-Xylene	359	ug/L	10.0	1.8	10		10/18/22 23:41	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	81-122		1		10/18/22 01:48	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-118		1		10/18/22 01:48	460-00-4	
Toluene-d8 (S)	100	%	82-122		1		10/18/22 01:48	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-4		Lab ID: 70233350004		Collected: 10/14/22 10:00		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
Acetone	<5.0	ug/L	5.0	1.9	1		10/18/22 02:11	67-64-1	
Benzene	1.3	ug/L	1.0	0.58	1		10/18/22 02:11	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 02:11	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.43	1		10/18/22 02:11	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.48	1		10/18/22 02:11	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.61	1		10/18/22 02:11	75-25-2	
Bromomethane	2.1	ug/L	1.0	0.74	1		10/18/22 02:11	74-83-9	v1
2-Butanone (MEK)	<5.0	ug/L	5.0	0.51	1		10/18/22 02:11	78-93-3	
n-Butylbenzene	26.1	ug/L	1.0	0.38	1		10/18/22 02:11	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	0.30	1		10/18/22 02:11	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.37	1		10/18/22 02:11	98-06-6	
Carbon disulfide	3.7	ug/L	1.0	0.57	1		10/18/22 02:11	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.33	1		10/18/22 02:11	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.57	1		10/18/22 02:11	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	0.41	1		10/18/22 02:11	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	0.64	1		10/18/22 02:11	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.56	1		10/18/22 02:11	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.63	1		10/18/22 02:11	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	0.44	1		10/18/22 02:11	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	0.41	1		10/18/22 02:11	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/18/22 02:11	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.40	1		10/18/22 02:11	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	0.45	1		10/18/22 02:11	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.58	1		10/18/22 02:11	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.46	1		10/18/22 02:11	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.48	1		10/18/22 02:11	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	0.78	1		10/18/22 02:11	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.37	1		10/18/22 02:11	75-71-8	v3
1,1-Dichloroethane	<1.0	ug/L	1.0	0.58	1		10/18/22 02:11	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.40	1		10/18/22 02:11	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.54	1		10/18/22 02:11	75-35-4	
cis-1,2-Dichloroethene	32.9	ug/L	1.0	0.50	1		10/18/22 02:11	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.56	1		10/18/22 02:11	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.45	1		10/18/22 02:11	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	0.42	1		10/18/22 02:11	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	0.54	1		10/18/22 02:11	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	0.54	1		10/18/22 02:11	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.46	1		10/18/22 02:11	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/18/22 02:11	10061-02-6	
1,4-Diethylbenzene	125	ug/L	1.0	0.37	1		10/18/22 02:11	105-05-5	L2,N3
Ethanol	<250	ug/L	250	54.4	1		10/18/22 02:11	64-17-5	
Ethylbenzene	470	ug/L	10.0	1.6	10		10/18/22 17:55	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	0.44	1		10/18/22 02:11	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	0.74	1		10/18/22 02:11	591-78-6	
Isopropylbenzene (Cumene)	49.8	ug/L	1.0	0.40	1		10/18/22 02:11	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Sample: MW-4		Lab ID: 70233350004		Collected: 10/14/22 10:00		Received: 10/14/22 12:31		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
p-Isopropyltoluene	6.9	ug/L	1.0	0.37	1		10/18/22 02:11	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	0.77	1		10/18/22 02:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	0.36	1		10/18/22 02:11	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.51	1		10/18/22 02:11	1634-04-4	
Naphthalene	<10.0	ug/L	10.0	8.4	10		10/18/22 17:55	91-20-3	
n-Propylbenzene	103	ug/L	1.0	0.33	1		10/18/22 02:11	103-65-1	
Styrene	<1.0	ug/L	1.0	0.57	1		10/18/22 02:11	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.59	1		10/18/22 02:11	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.39	1		10/18/22 02:11	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.53	1		10/18/22 02:11	127-18-4	
1,2,4,5-tetramethylbenzene	64.4	ug/L	1.0	0.58	1		10/18/22 02:11	95-93-2	N3
Toluene	459	ug/L	10.0	2.0	10		10/18/22 17:55	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.87	1		10/18/22 02:11	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.72	1		10/18/22 02:11	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.32	1		10/18/22 02:11	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.49	1		10/18/22 02:11	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.47	1		10/18/22 02:11	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.23	1		10/18/22 02:11	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	0.48	1		10/18/22 02:11	96-18-4	
1,2,4-Trimethylbenzene	1290	ug/L	10.0	3.0	10		10/18/22 17:55	95-63-6	
1,3,5-Trimethylbenzene	325	ug/L	10.0	1.7	10		10/18/22 17:55	108-67-8	
Vinyl chloride	3.3	ug/L	1.0	0.48	1		10/18/22 02:11	75-01-4	
Xylene (Total)	3190	ug/L	30.0	1.8	10		10/18/22 17:55	1330-20-7	
m&p-Xylene	2600	ug/L	20.0	3.3	10		10/18/22 17:55	179601-23-1	
o-Xylene	589	ug/L	10.0	1.8	10		10/18/22 17:55	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	81-122		1		10/18/22 02:11	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-118		1		10/18/22 02:11	460-00-4	
Toluene-d8 (S)	103	%	82-122		1		10/18/22 02:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

QC Batch:	278188	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70233350001, 70233350002, 70233350003, 70233350004

METHOD BLANK: 1405986 Matrix: Water
Associated Lab Samples: 70233350001, 70233350002, 70233350003, 70233350004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	0.59	10/17/22 17:46	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	0.32	10/17/22 17:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	0.39	10/17/22 17:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	0.49	10/17/22 17:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	0.58	10/17/22 17:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	0.54	10/17/22 17:46	
1,1-Dichloropropene	ug/L	<1.0	1.0	0.54	10/17/22 17:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	0.87	10/17/22 17:46	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	0.48	10/17/22 17:46	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	0.58	10/17/22 17:46	N3
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	0.72	10/17/22 17:46	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	0.30	10/17/22 17:46	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	0.40	10/17/22 17:46	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	0.58	10/17/22 17:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	0.40	10/17/22 17:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	0.45	10/17/22 17:46	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	0.17	10/17/22 17:46	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	0.46	10/17/22 17:46	
1,3-Dichloropropane	ug/L	<1.0	1.0	0.42	10/17/22 17:46	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	0.48	10/17/22 17:46	
1,4-Diethylbenzene	ug/L	<1.0	1.0	0.15	10/17/22 17:46	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	0.54	10/17/22 17:46	
2-Butanone (MEK)	ug/L	<5.0	5.0	0.51	10/17/22 17:46	
2-Chlorotoluene	ug/L	<1.0	1.0	0.44	10/17/22 17:46	
2-Hexanone	ug/L	<5.0	5.0	0.74	10/17/22 17:46	
4-Chlorotoluene	ug/L	<1.0	1.0	0.41	10/17/22 17:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	0.36	10/17/22 17:46	
Acetone	ug/L	<5.0	5.0	1.9	10/17/22 17:46	
Benzene	ug/L	<1.0	1.0	0.58	10/17/22 17:46	
Bromobenzene	ug/L	<1.0	1.0	0.58	10/17/22 17:46	
Bromochloromethane	ug/L	<1.0	1.0	0.43	10/17/22 17:46	
Bromodichloromethane	ug/L	<1.0	1.0	0.48	10/17/22 17:46	
Bromoform	ug/L	<1.0	1.0	0.61	10/17/22 17:46	
Bromomethane	ug/L	<1.0	1.0	0.74	10/17/22 17:46	
Carbon disulfide	ug/L	<1.0	1.0	0.57	10/17/22 17:46	
Carbon tetrachloride	ug/L	<1.0	1.0	0.33	10/17/22 17:46	
Chlorobenzene	ug/L	<1.0	1.0	0.57	10/17/22 17:46	
Chlorodifluoromethane	ug/L	<1.0	1.0	0.41	10/17/22 17:46	N3
Chloroethane	ug/L	<1.0	1.0	0.64	10/17/22 17:46	
Chloroform	ug/L	<1.0	1.0	0.56	10/17/22 17:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

METHOD BLANK: 1405986

Matrix: Water

Associated Lab Samples: 70233350001, 70233350002, 70233350003, 70233350004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloromethane	ug/L	<1.0	1.0	0.63	10/17/22 17:46	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	0.24	10/17/22 17:46	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	0.46	10/17/22 17:46	
Dibromochloromethane	ug/L	<1.0	1.0	0.50	10/17/22 17:46	
Dibromomethane	ug/L	<1.0	1.0	0.45	10/17/22 17:46	
Dichlorodifluoromethane	ug/L	<1.0	1.0	0.37	10/17/22 17:46	v3
Ethanol	ug/L	<250	250	54.4	10/17/22 17:46	
Ethylbenzene	ug/L	<1.0	1.0	0.16	10/17/22 17:46	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	0.44	10/17/22 17:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	0.40	10/17/22 17:46	
m&p-Xylene	ug/L	<2.0	2.0	0.33	10/17/22 17:46	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	0.51	10/17/22 17:46	
Methylene Chloride	ug/L	<1.0	1.0	0.77	10/17/22 17:46	
n-Butylbenzene	ug/L	<1.0	1.0	0.38	10/17/22 17:46	
n-Propylbenzene	ug/L	<1.0	1.0	0.33	10/17/22 17:46	
Naphthalene	ug/L	<1.0	1.0	0.84	10/17/22 17:46	
o-Xylene	ug/L	<1.0	1.0	0.18	10/17/22 17:46	
p-Isopropyltoluene	ug/L	<1.0	1.0	0.37	10/17/22 17:46	
sec-Butylbenzene	ug/L	<1.0	1.0	0.30	10/17/22 17:46	
Styrene	ug/L	<1.0	1.0	0.57	10/17/22 17:46	
tert-Butylbenzene	ug/L	<1.0	1.0	0.37	10/17/22 17:46	
Tetrachloroethene	ug/L	<1.0	1.0	0.53	10/17/22 17:46	
Toluene	ug/L	<1.0	1.0	0.20	10/17/22 17:46	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	0.56	10/17/22 17:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	0.50	10/17/22 17:46	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	0.78	10/17/22 17:46	
Trichloroethene	ug/L	<1.0	1.0	0.47	10/17/22 17:46	
Trichlorofluoromethane	ug/L	<1.0	1.0	0.23	10/17/22 17:46	
Vinyl chloride	ug/L	<1.0	1.0	0.48	10/17/22 17:46	
Xylene (Total)	ug/L	<3.0	3.0	0.18	10/17/22 17:46	
1,2-Dichloroethane-d4 (S)	%	99	81-122		10/17/22 17:46	
4-Bromofluorobenzene (S)	%	98	79-118		10/17/22 17:46	
Toluene-d8 (S)	%	104	82-122		10/17/22 17:46	

LABORATORY CONTROL SAMPLE: 1405987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.9	102	75-122	
1,1,1-Trichloroethane	ug/L	50	44.5	89	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	51.7	103	70-127	
1,1,2-Trichloroethane	ug/L	50	47.0	94	81-119	
1,1-Dichloroethane	ug/L	50	48.8	98	72-126	
1,1-Dichloroethene	ug/L	50	45.4	91	66-133	
1,1-Dichloropropene	ug/L	50	43.1	86	69-124	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

LABORATORY CONTROL SAMPLE: 1405987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	39.5	79	50-143	
1,2,3-Trichloropropane	ug/L	50	50.7	101	69-120	
1,2,4,5-tetramethylbenzene	ug/L	50	43.5	87	62-144	N3
1,2,4-Trichlorobenzene	ug/L	50	41.5	83	56-141	
1,2,4-Trimethylbenzene	ug/L	50	46.4	93	78-119	
1,2-Dibromoethane (EDB)	ug/L	50	47.5	95	81-123	
1,2-Dichlorobenzene	ug/L	50	45.8	92	80-117	
1,2-Dichloroethane	ug/L	50	53.8	108	69-134	
1,2-Dichloropropane	ug/L	50	45.5	91	75-125	
1,3,5-Trimethylbenzene	ug/L	50	45.1	90	78-121	
1,3-Dichlorobenzene	ug/L	50	44.2	88	82-116	
1,3-Dichloropropane	ug/L	50	50.8	102	81-118	
1,4-Dichlorobenzene	ug/L	50	43.7	87	80-117	
1,4-Diethylbenzene	ug/L	50	37.1	74	77-128	L2,N3
2,2-Dichloropropane	ug/L	50	52.1	104	47-151	
2-Butanone (MEK)	ug/L	50	69.8	140	33-165	IH,v1
2-Chlorotoluene	ug/L	50	45.4	91	80-119	
2-Hexanone	ug/L	50	47.4	95	50-128	
4-Chlorotoluene	ug/L	50	45.4	91	79-119	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.2	92	62-131	
Acetone	ug/L	50	37.7	75	14-156	
Benzene	ug/L	50	45.6	91	78-117	
Bromobenzene	ug/L	50	46.0	92	80-117	
Bromochloromethane	ug/L	50	45.0	90	77-122	
Bromodichloromethane	ug/L	50	48.8	98	80-123	
Bromoform	ug/L	50	50.9	102	49-138	
Bromomethane	ug/L	50	52.1	104	10-143	v1
Carbon disulfide	ug/L	50	42.9	86	66-133	
Carbon tetrachloride	ug/L	50	43.9	88	64-135	
Chlorobenzene	ug/L	50	47.8	96	79-117	
Chlorodifluoromethane	ug/L	50	36.2	72	45-132	N3
Chloroethane	ug/L	50	40.2	80	31-156	v1
Chloroform	ug/L	50	50.1	100	79-123	
Chloromethane	ug/L	50	32.4	65	39-116	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	77-125	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	78-131	
Dibromochloromethane	ug/L	50	53.6	107	65-123	
Dibromomethane	ug/L	50	47.6	95	81-123	
Dichlorodifluoromethane	ug/L	50	30.1	60	13-149	v3
Ethanol	ug/L	1250	985	79	10-196	
Ethylbenzene	ug/L	50	46.9	94	79-115	
Hexachloro-1,3-butadiene	ug/L	50	32.0	64	55-142	
Isopropylbenzene (Cumene)	ug/L	50	47.2	94	74-118	
m&p-Xylene	ug/L	100	91.1	91	80-118	
Methyl-tert-butyl ether	ug/L	50	50.5	101	69-118	
Methylene Chloride	ug/L	50	45.1	90	67-123	
n-Butylbenzene	ug/L	50	41.8	84	74-126	

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

LABORATORY CONTROL SAMPLE: 1405987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	50	46.1	92	75-120	
Naphthalene	ug/L	50	44.5	89	70-136	
o-Xylene	ug/L	50	44.9	90	80-119	
p-Isopropyltoluene	ug/L	50	43.2	86	78-122	
sec-Butylbenzene	ug/L	50	44.2	88	76-120	
Styrene	ug/L	50	48.7	97	82-121	
tert-Butylbenzene	ug/L	50	43.1	86	77-118	
Tetrachloroethene	ug/L	50	43.8	88	65-120	
Toluene	ug/L	50	45.8	92	80-114	
trans-1,2-Dichloroethene	ug/L	50	46.4	93	74-123	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	73-135	
trans-1,4-Dichloro-2-butene	ug/L	50	52.6	105	52-137	
Trichloroethene	ug/L	50	44.9	90	79-115	
Trichlorofluoromethane	ug/L	50	38.9	78	51-136 v1	
Vinyl chloride	ug/L	50	36.9	74	49-118	
Xylene (Total)	ug/L	150	136	91	80-118	
1,2-Dichloroethane-d4 (S)	%			100	81-122	
4-Bromofluorobenzene (S)	%			101	79-118	
Toluene-d8 (S)	%			106	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406443 1406444

Parameter	Units	70233308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	50.8	48.7	102	97	65-122	4	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	48.2	45.9	96	92	72-123	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.3	47.4	95	95	64-133	0	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.8	46.2	96	92	78-120	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	48.9	47.8	98	96	70-124	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	55.4	51.6	111	103	61-139	7	20	
1,1-Dichloropropene	ug/L	ND	50	50	46.7	44.8	93	90	71-125	4	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	45.7	46.4	91	93	48-140	2	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	48.5	48.7	97	97	64-120	0	20	
1,2,4,5-tetramethylbenzene	ug/L	ND	50	50	49.4	48.4	99	97	71-125	2	20	N3
1,2,4-Trichlorobenzene	ug/L	ND	50	50	47.3	47.1	95	94	53-138	0	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	54.0	52.0	108	104	70-128	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	48.1	46.4	96	93	78-121	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.5	48.4	99	97	75-120	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.3	51.0	103	102	58-138	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.0	43.6	90	87	74-122	3	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.0	49.3	102	99	68-130	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.5	46.9	97	94	78-119	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	50.8	49.3	102	99	74-118	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.1	47.5	96	95	76-118	1	20	
1,4-Diethylbenzene	ug/L	ND	50	50	44.9	43.1	90	86	75-121	4	20	N3

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406443 1406444											
Parameter	Units	70233308002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,2-Dichloropropane	ug/L	ND	50	50	48.6	45.6	97	91	43-136	6	20
2-Butanone (MEK)	ug/L	ND	50	50	61.4	59.4	123	119	33-148	3	IH,v1
2-Chlorotoluene	ug/L	ND	50	50	49.1	47.2	98	94	74-122	4	20
2-Hexanone	ug/L	ND	50	50	47.2	44.9	94	90	49-124	5	20
4-Chlorotoluene	ug/L	ND	50	50	49.8	48.1	100	96	73-122	3	20
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	50	46.0	43.9	92	88	60-136	5	20
Acetone	ug/L	ND	50	50	40.4	41.1	81	82	35-112	2	20
Benzene	ug/L	ND	50	50	48.4	46.2	97	92	70-130	5	20
Bromobenzene	ug/L	ND	50	50	47.7	46.5	95	93	79-115	3	20
Bromochloromethane	ug/L	ND	50	50	50.3	49.0	101	98	70-122	3	20
Bromodichloromethane	ug/L	ND	50	50	47.7	46.0	95	92	74-122	4	20
Bromoform	ug/L	ND	50	50	48.1	46.9	96	94	39-139	3	20
Bromomethane	ug/L	ND	50	50	60.2	60.2	120	120	10-130	0	20 v1
Carbon disulfide	ug/L	ND	50	50	51.2	48.6	102	97	60-129	5	20
Carbon tetrachloride	ug/L	ND	50	50	46.4	44.6	93	89	56-143	4	20
Chlorobenzene	ug/L	ND	50	50	52.6	50.2	105	100	74-122	5	20
Chlorodifluoromethane	ug/L	ND	50	50	48.4	44.0	97	88	43-130	9	20 N3
Chloroethane	ug/L	ND	50	50	57.9	55.8	116	112	35-146	4	20 v1
Chloroform	ug/L	ND	50	50	50.2	48.6	100	97	71-129	3	20
Chloromethane	ug/L	ND	50	50	39.1	36.4	78	73	29-112	7	20
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.4	49.7	105	99	73-129	5	20
cis-1,3-Dichloropropene	ug/L	ND	50	50	47.2	46.0	94	92	67-130	3	20
Dibromochloromethane	ug/L	ND	50	50	50.6	49.8	101	100	55-126	2	20
Dibromomethane	ug/L	ND	50	50	47.1	46.3	94	93	71-127	2	20
Dichlorodifluoromethane	ug/L	ND	50	50	37.9	35.2	76	70	10-123	7	20 v3
Ethanol	ug/L	ND	1250	1250	1430	1520	115	121	10-166	6	20
Ethylbenzene	ug/L	ND	50	50	53.3	51.2	107	102	70-126	4	20
Hexachloro-1,3-butadiene	ug/L	ND	50	50	37.3	38.0	75	76	41-144	2	20
Isopropylbenzene (Cumene)	ug/L	ND	50	50	52.2	49.7	104	99	68-127	5	20
m&p-Xylene	ug/L	ND	100	100	108	102	108	102	79-123	6	20
Methyl-tert-butyl ether	ug/L	ND	50	50	36.3	38.3	73	77	60-140	5	20
Methylene Chloride	ug/L	2.2	50	50	51.9	48.5	99	93	69-117	7	20
n-Butylbenzene	ug/L	ND	50	50	49.4	47.4	99	95	64-136	4	20
n-Propylbenzene	ug/L	ND	50	50	51.8	49.4	104	99	70-130	5	20
Naphthalene	ug/L	ND	50	50	50.5	51.4	101	103	60-147	2	20
o-Xylene	ug/L	ND	50	50	51.8	49.8	104	100	57-139	4	20
p-Isopropyltoluene	ug/L	ND	50	50	50.9	49.1	102	98	71-130	4	20
sec-Butylbenzene	ug/L	ND	50	50	52.3	50.1	105	100	69-129	4	20
Styrene	ug/L	ND	50	50	54.9	53.1	110	106	79-123	3	20
tert-Butylbenzene	ug/L	ND	50	50	50.3	48.2	101	96	71-126	4	20
Tetrachloroethene	ug/L	ND	50	50	49.6	46.7	99	93	64-124	6	20
Toluene	ug/L	ND	50	50	50.7	48.5	101	97	76-123	5	20
trans-1,2-Dichloroethene	ug/L	ND	50	50	56.6	52.7	113	105	69-127	7	20
trans-1,3-Dichloropropene	ug/L	ND	50	50	50.3	47.6	101	95	61-130	6	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406443 1406444												
Parameter	Units	70233308002 Result	MS		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	43.7	39.9	87	80	18-144	9	20	
Trichloroethene	ug/L	ND	50	50	49.3	45.9	99	92	73-125	7	20	
Trichlorofluoromethane	ug/L	ND	50	50	49.9	48.9	100	98	59-129	2	20	v1
Vinyl chloride	ug/L	ND	50	50	46.0	42.8	92	86	33-127	7	20	
Xylene (Total)	ug/L	ND	150	150	160	152	107	101	78-123	5	20	
1,2-Dichloroethane-d4 (S)	%						95	96	81-122		20	
4-Bromofluorobenzene (S)	%						103	102	79-118		20	
Toluene-d8 (S)	%						105	104	82-122		20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER QUICK + CLEAN / 17978
Pace Project No.: 70233350

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
 ND - Not Detected at or above adjusted reporting limit.
 TNTC - Too Numerous To Count
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 MDL - Adjusted Method Detection Limit.
 PQL - Practical Quantitation Limit.
 RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
 S - Surrogate
 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
 Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
 LCS(D) - Laboratory Control Sample (Duplicate)
 MS(D) - Matrix Spike (Duplicate)
 DUP - Sample Duplicate
 RPD - Relative Percent Difference
 NC - Not Calculable.
 SG - Silica Gel - Clean-Up
 U - Indicates the compound was analyzed for, but not detected.
 N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
 Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
 Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
 TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.
 IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
 L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
 N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
 S0 Surrogate recovery outside laboratory control limits.
 v1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
 v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER QUICK + CLEAN / 17978

Pace Project No.: 70233350

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70233350001	MW-1	EPA 8260C/5030C	278188		
70233350002	MW-2	EPA 8260C/5030C	278188		
70233350003	MW-3	EPA 8260C/5030C	278188		
70233350004	MW-4	EPA 8260C/5030C	278188		

REPORT OF LABORATORY ANALYSIS

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WO#: 70233350

PM: LAB

Due Date: 10/25/22

CLIENT: WRS

Profile #

Client

9631

wps

former Quick+Clean/17978

[illegible]

Glass		Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4UJ	125mL unpreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP2UJ	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP3UJ	500mL unpreserved plastic
VG9S	40mL Sulfuric clear vial	AG1U	11liter unpres amber glass	BP1UJ	1L unpreserved plastic
DC9T	40mL Na Thiosulfate vial	AG3A	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DC9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	500mL HNO3 plastic
DC9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DC9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DC6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DC9S	Ammonium C/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trimza
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate
WG9Q	8oz clear soli jar			BP3R	250mL NH4SO4-NH4OH
WG4Q	4oz clear soli jar			BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

* Can also be a BP4N

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

SOC	
DG9T	40mL Na Thio amber vial 2
DG9A	40mL Ascorbic acid vials 2
DG9Y	Citrate Na Thiosulfate 40mL 2
DG6T	Na Thiosulfate 60mL vial 1
DG3U	250mL unopres amber glass
DG3T	Na Thiosulfate 250mL bottle
ap1B	Na Thiosulfate Amber bottle
DG1A	Na Thiosulfate 1L Amber 2
DG4T	(NH4Cl)

Additional Comments



ANALYTICAL REPORT

Lab Number:	L2260816
Client:	WRS Environmental Services, Inc. 17 Old Dock Road Yaphank, NY 11980
ATTN:	Justin Halpin
Phone:	(631) 924-8111
Project Name:	FORMER QUICK AND CLEAN
Project Number:	17978
Report Date:	11/10/22

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2260816-01	EFFLUENT	SOIL_VAPOR	380 ROCKAWAY TURNPIKE	10/14/22 10:56	10/31/22

Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 7, 2022. The canister certification results are provided as an addendum.

L2260816-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/10/22

AIR

Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22**SAMPLE RESULTS**

Lab ID: L2260816-01 D
 Client ID: EFFLUENT
 Sample Location: 380 ROCKAWAY TURNPIKE

Date Collected: 10/14/22 10:56
 Date Received: 10/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/09/22 20:56
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.625	--	ND	3.09	--		3.125
Chloromethane	ND	0.625	--	ND	1.29	--		3.125
Freon-114	ND	0.625	--	ND	4.37	--		3.125
Vinyl chloride	2.54	0.625	--	6.49	1.60	--		3.125
1,3-Butadiene	ND	0.625	--	ND	1.38	--		3.125
Bromomethane	ND	0.625	--	ND	2.43	--		3.125
Chloroethane	ND	0.625	--	ND	1.65	--		3.125
Ethanol	634	15.6	--	1190	29.4	--		3.125
Vinyl bromide	ND	0.625	--	ND	2.73	--		3.125
Acetone	16.2	3.12	--	38.5	7.41	--		3.125
Trichlorofluoromethane	ND	0.625	--	ND	3.51	--		3.125
Isopropanol	46.5	1.56	--	114	3.83	--		3.125
1,1-Dichloroethene	ND	0.625	--	ND	2.48	--		3.125
Tertiary butyl Alcohol	ND	1.56	--	ND	4.73	--		3.125
Methylene chloride	ND	1.56	--	ND	5.42	--		3.125
3-Chloropropene	ND	0.625	--	ND	1.96	--		3.125
Carbon disulfide	ND	0.625	--	ND	1.95	--		3.125
Freon-113	ND	0.625	--	ND	4.79	--		3.125
trans-1,2-Dichloroethene	2.58	0.625	--	10.2	2.48	--		3.125
1,1-Dichloroethane	ND	0.625	--	ND	2.53	--		3.125
Methyl tert butyl ether	ND	0.625	--	ND	2.25	--		3.125
2-Butanone	ND	1.56	--	ND	4.60	--		3.125
cis-1,2-Dichloroethene	218	0.625	--	864	2.48	--		3.125



Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22**SAMPLE RESULTS**

Lab ID: L2260816-01 D

Date Collected: 10/14/22 10:56

Client ID: EFFLUENT

Date Received: 10/31/22

Sample Location: 380 ROCKAWAY TURNPIKE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.56	--	ND	5.62	--		3.125
Chloroform	2.16	0.625	--	10.5	3.05	--		3.125
Tetrahydrofuran	ND	1.56	--	ND	4.60	--		3.125
1,2-Dichloroethane	ND	0.625	--	ND	2.53	--		3.125
n-Hexane	ND	0.625	--	ND	2.20	--		3.125
1,1,1-Trichloroethane	ND	0.625	--	ND	3.41	--		3.125
Benzene	ND	0.625	--	ND	2.00	--		3.125
Carbon tetrachloride	ND	0.625	--	ND	3.93	--		3.125
Cyclohexane	ND	0.625	--	ND	2.15	--		3.125
1,2-Dichloropropane	ND	0.625	--	ND	2.89	--		3.125
Bromodichloromethane	ND	0.625	--	ND	4.19	--		3.125
1,4-Dioxane	ND	0.625	--	ND	2.25	--		3.125
Trichloroethene	90.0	0.625	--	484	3.36	--		3.125
2,2,4-Trimethylpentane	ND	0.625	--	ND	2.92	--		3.125
Heptane	ND	0.625	--	ND	2.56	--		3.125
cis-1,3-Dichloropropene	ND	0.625	--	ND	2.84	--		3.125
4-Methyl-2-pentanone	ND	1.56	--	ND	6.39	--		3.125
trans-1,3-Dichloropropene	ND	0.625	--	ND	2.84	--		3.125
1,1,2-Trichloroethane	ND	0.625	--	ND	3.41	--		3.125
Toluene	ND	0.625	--	ND	2.36	--		3.125
2-Hexanone	ND	0.625	--	ND	2.56	--		3.125
Dibromochloromethane	ND	0.625	--	ND	5.32	--		3.125
1,2-Dibromoethane	ND	0.625	--	ND	4.80	--		3.125
Tetrachloroethene	246	0.625	--	1670	4.24	--		3.125
Chlorobenzene	ND	0.625	--	ND	2.88	--		3.125
Ethylbenzene	ND	0.625	--	ND	2.71	--		3.125



Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22**SAMPLE RESULTS**

Lab ID: L2260816-01 D

Date Collected: 10/14/22 10:56

Client ID: EFFLUENT

Date Received: 10/31/22

Sample Location: 380 ROCKAWAY TURNPIKE

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.25	--	ND	5.43	--		3.125
Bromoform	ND	0.625	--	ND	6.46	--		3.125
Styrene	ND	0.625	--	ND	2.66	--		3.125
1,1,2,2-Tetrachloroethane	ND	0.625	--	ND	4.29	--		3.125
o-Xylene	ND	0.625	--	ND	2.71	--		3.125
4-Ethyltoluene	ND	0.625	--	ND	3.07	--		3.125
1,3,5-Trimethylbenzene	ND	0.625	--	ND	3.07	--		3.125
1,2,4-Trimethylbenzene	ND	0.625	--	ND	3.07	--		3.125
Benzyl chloride	ND	0.625	--	ND	3.24	--		3.125
1,3-Dichlorobenzene	ND	0.625	--	ND	3.76	--		3.125
1,4-Dichlorobenzene	ND	0.625	--	ND	3.76	--		3.125
1,2-Dichlorobenzene	ND	0.625	--	ND	3.76	--		3.125
1,2,4-Trichlorobenzene	ND	0.625	--	ND	4.64	--		3.125
Hexachlorobutadiene	ND	0.625	--	ND	6.67	--		3.125

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140



Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/09/22 16:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1710239-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/09/22 16:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1710239-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER QUICK AND CLEAN**Lab Number:** L2260816**Project Number:** 17978**Report Date:** 11/10/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/09/22 16:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1710239-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER QUICK AND CLEAN

Project Number: 17978

Lab Number: L2260816

Report Date: 11/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1710239-3								
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Bromomethane	106		-		70-130	-		
Chloroethane	104		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	112		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	100		-		70-130	-		
Isopropanol	102		-		40-160	-		
1,1-Dichloroethene	98		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	101		-		70-130	-		
Freon-113	99		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	85		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER QUICK AND CLEAN

Project Number: 17978

Lab Number: L2260816

Report Date: 11/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1710239-3								
Ethyl Acetate	102		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
1,2-Dichloroethane	80		-		70-130	-		
n-Hexane	94		-		70-130	-		
1,1,1-Trichloroethane	82		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	89		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	91		-		70-130	-		
Bromodichloromethane	92		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	83		-		70-130	-		
cis-1,3-Dichloropropene	96		-		70-130	-		
4-Methyl-2-pentanone	85		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	87		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER QUICK AND CLEAN

Project Number: 17978

Lab Number: L2260816

Report Date: 11/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1710239-3								
Tetrachloroethene	115		-		70-130	-		
Chlorobenzene	114		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	120		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	123		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	89		-		70-130	-		
Benzyl chloride	83		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Serial_No:11102216:22
Lab Number: L2260816
Report Date: 11/10/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2260816-01	EFFLUENT	1896	6.0L Can	10/07/22	402169	L2253683-04	Pass	-29.4	-3.7	-	-	-	-



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 09/29/22 20:42
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2253683**Project Number:** CANISTER QC BAT**Report Date:** 11/10/22**Air Canister Certification Results**

Lab ID: L2253683-04

Date Collected: 09/28/22 15:00

Client ID: CAN 1665 SHELF 35

Date Received: 09/29/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 09/29/22 20:42
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2253683
Report Date: 11/10/22

Air Canister Certification Results

Lab ID: L2253683-04
Client ID: CAN 1665 SHELF 35
Sample Location:

Date Collected: 09/28/22 15:00
Date Received: 09/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Serial_No:11102216:22
Lab Number: L2260816
Report Date: 11/10/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2260816-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FORMER QUICK AND CLEAN
Project Number: 17978

Lab Number: L2260816
Report Date: 11/10/22

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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