JOHN V. SODERBERG, P.E.

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May 10, 2021

Caroline Eigenbrodt
Environmental Engineer
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	NYSDEC Site No. 130198
	380 Rockaway Turnpike	**Quarterly Sampling Report (QSR)**
	Cedarhurst, New York	Groundwater

Dear Ms. Eigenbrodt,

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 April 19, 2021 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 April 19, 2021 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
- Preparation of summary report

At the time of the sampling, depth to groundwater across the subject property was measured between 5.42 ft. and 10.88 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 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. Sample MW-1 detected PCE concentrations below standards at 1.5 ppb, TCE was detected above standards at 97.0 ppb, cis-1,2-Dichloroethene was detected above standards at 17,000.0 ppb, trans-1,2-Dichloroethene was detected above standards at 57.0 ppb, and VC was detected above standards at 1,300.0 ppb. PCE at monitoring well MW-2 was non-detect, TCE was detected just below standards at 4.9 ppb, cis-1,2-Dichloroethene was detected above standards at 6,800.0 ppb, trans-1,2-Dichloroethene was detected above standards at 11.0 ppb, and VC was detected above standards at 860.0 ppb. Sample MW-3 detected PCE below standards at 1.1 ppb, TCE was non-detect, cis-1,2-Dichloroethene was detected above standards at 50.0 ppb, and trans-1,2-Dichloroethene and VC were non-detect. Sample MW-4 detected PCE below standards at 1.2 ppb, TCE was non-detect, cis-1,2-Dichloroethene was detected above standards at 120.0 ppb, and trans-1,2-Dichloroethene and VC were non-detect

Groundwater also showed elevated levels of BTEX (Benzene, Toluene, Ethylbenzene, m,p-Xylene and o-Xylene). During the April 2021 sampling event, BTEX was detected at a total concentration of 12,123.0 ppb in MW-1, at 1,477.1 ppb in MW-2, at 1,388.0 ppb in MW-3, and at 4,112.6 ppb in MW-4. Significant decreases in BTEX and Total VOCs were seen in all wells during this quarterly event. These concentrations may be due to contamination from one of the nearby gas stations.

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 monthly monitoring of the SSDS. From now on, monthly OM&M data will be included in the Quarterly Reports. The next quarterly sampling event is scheduled for July 2021.

Sincerely,

John V. Soderberg

John V. Soderberg P.E

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

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May 10, 2021

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

Re: Monthly SSDS Monitoring for February 2021
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

On February 23rd, 2021, 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 March, April, and May 2021.

*This OM&M report is due on March 10th, 2021 and all Monthly OM&M reports will be included in the Quarterly Sampling Report and will be forwarded to NYSDEC to the attention of Caroline Jalanti, Environmental Engineer.

Sincerely,

John V. Soderberg

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Walter Berninger (BEI)
Justin Halpin (BEI)
Jacquelyn Nealon (NYSDOH)
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May 10, 2021

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

Re: Monthly SSDS Monitoring for March 2021
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

On March 15th, 2021, 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)
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* Site Location/ Map/As-Built (Figure-1, 2, and 3)
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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 April, May, and June 2021.

*This OM&M report is due on April 12th, 2021 and all Monthly OM&M reports will be included in the Quarterly Sampling Report and will be forwarded to NYSDEC to the attention of Caroline Jalanti, Environmental Engineer.

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May 10, 2021

Caroline Jalanti
Environmental Engineer
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Division of Environmental Remediation
625 Broadway Albany, NY 12233-7020
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Re: Monthly SSDS Monitoring for April 2021
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

On April 19th, 2021, 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 May, June, and July 2021.

*This OM&M report is due on May 10th, 2021 and all Monthly OM&M reports will be included in the Quarterly Sampling Report and will be forwarded to NYSDEC to the attention of Caroline Jalanti, Environmental Engineer.

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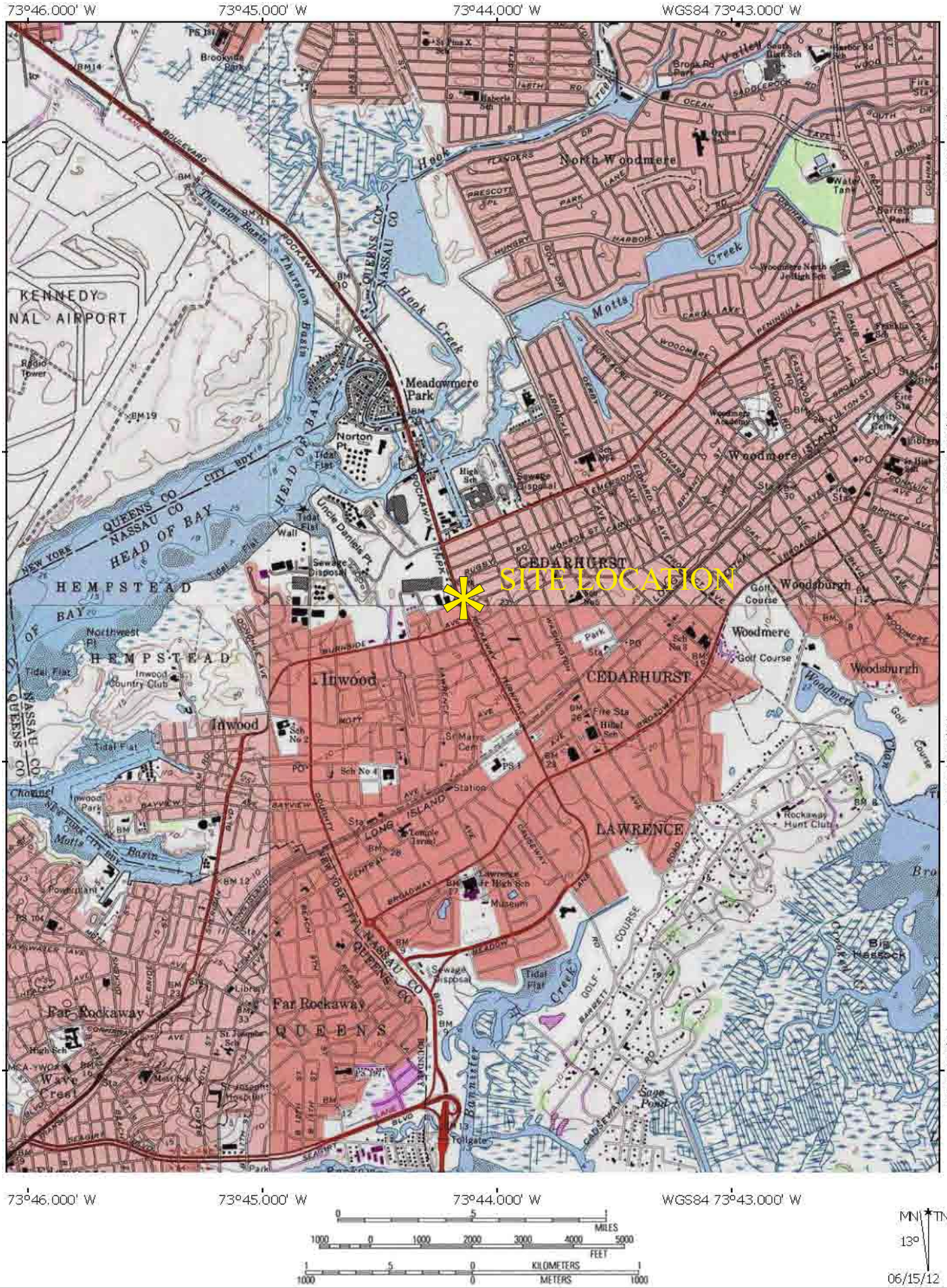
FIGURES



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

Figure-1
Site Location

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PO Box 263
Stony Brook, NY 11790

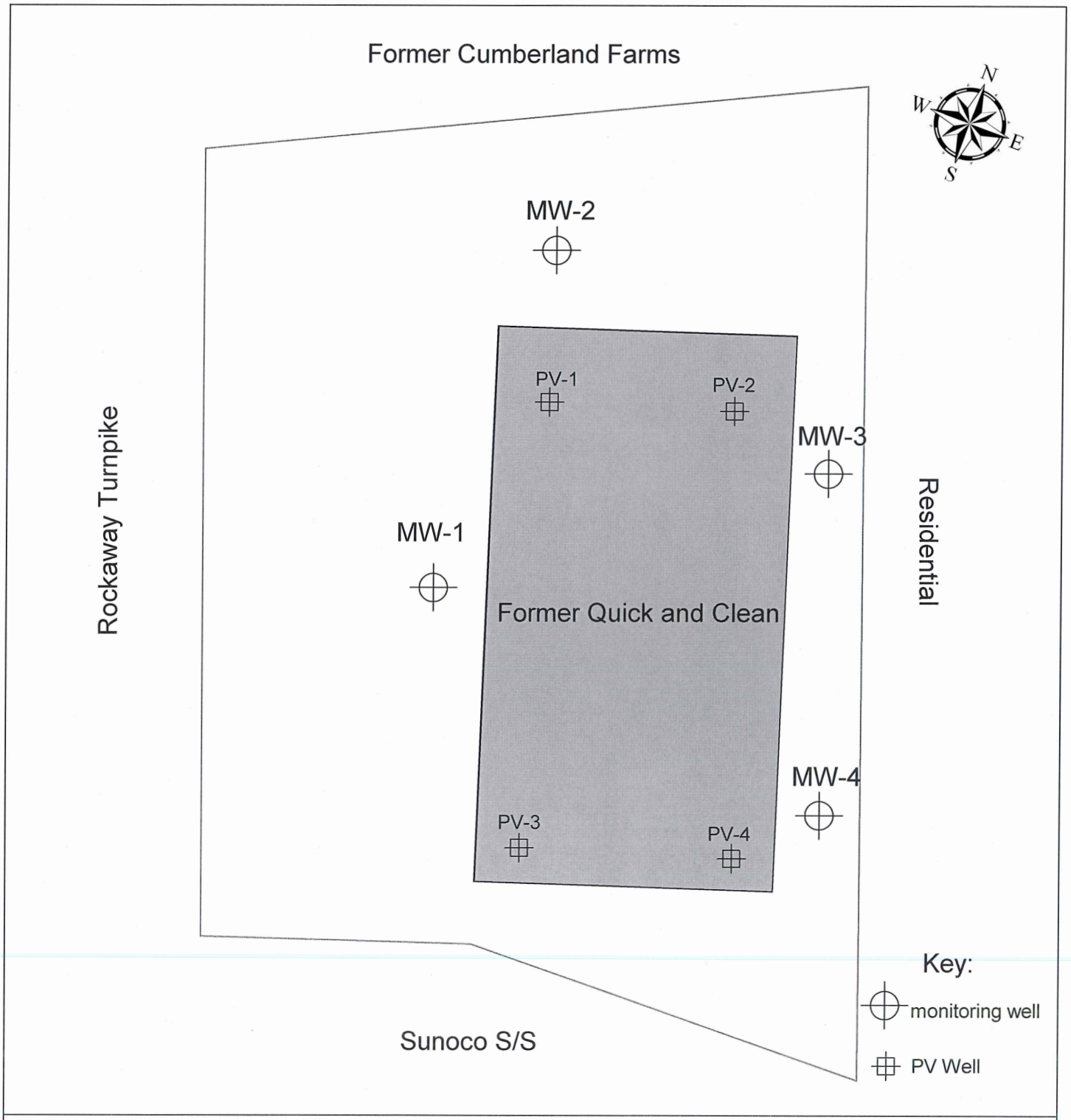


Figure-2

Site Map

Former Quick and Clean Cleaners

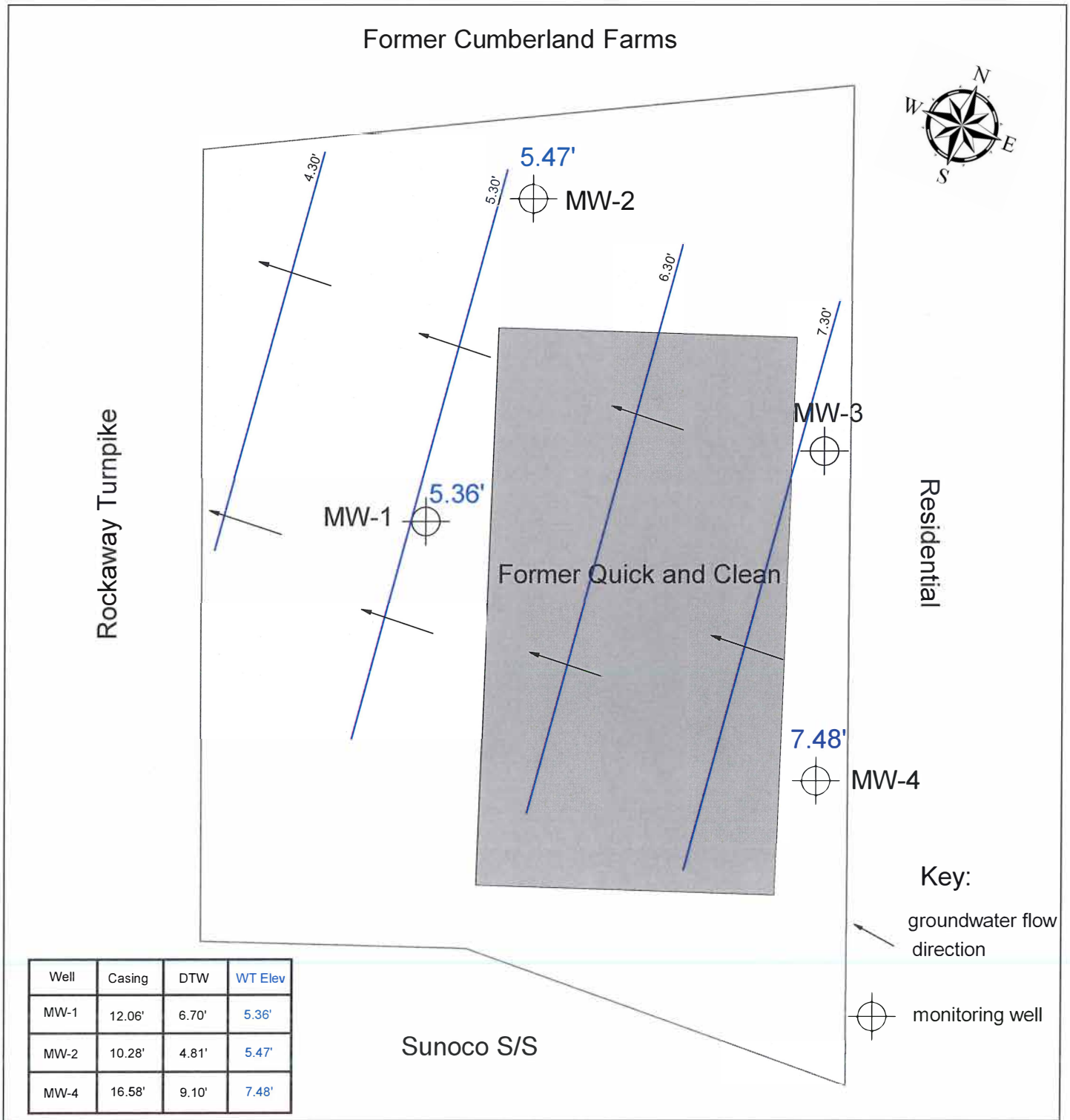
380 Rockaway Turnpike

Cedarhurst, NY

John V. Soderberg P.E

PO Box 263

Stony Brook, NY 11790



Well	Casing	DTW	WT Elev
MW-1	12.06'	6.70'	5.36'
MW-2	10.28'	4.81'	5.47'
MW-4	16.58'	9.10'	7.48'

Figure-3
Groundwater
Flow Model

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

John V. Soderberg P.E
PO Box 263
Stony Brook, NY 11790

Perm vapor point

Former Cumberland Farms SS

Rockaway Turnpike

Drain trenching

Bathroom

Boiler Room

PV-1

Former Dry Cleaning Equipment Area

PV-2

North leg

5'-2" PVC slot screen with exterior vertical pipe to roof

Fence

Residential

Former Q and C

South leg

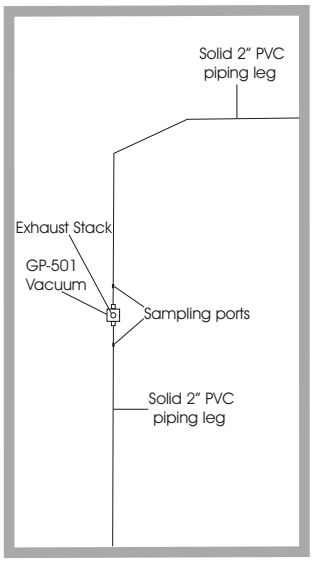
PV-3

PV-4

On/off switch system shutdown warning light

5'-2" PVC slot screen with exterior vertical pipe to roof

PLAN VIEW ROOFTOP CONSTRUCTION



1"=28'

1"=14'

Former Quick and Clean Cleaners **380 Rockawa y 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)
DTP - Depth to Product from Casing (ft)
PT - Product Thickness (ft)
T - Trace Product
D - Dry
C - Cannot Locate
G - Gone / Destroyed
V - Disabled Vehicle over Well
R - Recovery Pump in Well

April 19, 2021

Wells	DTW	DTP	PT	D.O.
MW-1	**7.33**			**0.51**
MW-2	**5.42**			**0.47**
MW-3	**10.01**			**1.37**
MW-4	**10.88**			**0.49**

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

February 23, 2021

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	**0.0**	**295**
North Leg	**0.0**	**350**
South Leg	**0.0**	**345**

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

March 15, 2021

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	**0.0**	**262**
North Leg	**0.0**	**352**
South Leg	**0.0**	**498**

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

April 19, 2021

SSDS Wells	PID (ppm)	FPM/Vacuum
Exhaust	**0.0**	**328**
North Leg	**0.0**	**278**
South Leg	**0.0**	**266**

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY
As of April 2021
Table-2

MW-1	DTW	PCE	TCE	Total DCE	VC
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
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
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
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**

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY
As of April 2021

MW-1	*DTW*	*BTEX*	*Total VOCs*
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*
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*
Apr 2021	5.42	1477.1	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*
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 April 2021
Table-2

SSDS Stack emissions (ppbv)

SSDS	*PCE*	*TCE*	*Total DCE*	VC
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: 02/23/21

Air Flow Readings	
Pre motor vac : -- "/H2O	

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	**350**	**0.0**
South Leg	**345**	**0.0**
Exhaust	**295**	**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

None

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: 03/15/21

Air Flow Readings	
Pre motor vac : -- "/H2O	

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	**352**	**0.0**
South Leg	**498**	**0.0**
Exhaust	**262**	**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

None

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: 04/19/21

Air Flow Readings	
Pre motor vac : -- "/H2O	

Sampling Instructions: Monthly OM&M and Stack Inspection

Site Data

Wells	FPM/Vac	PID (ppm)
North Leg	**278**	**0.0**
South Leg	**266**	**0.0**
Exhaust	**328**	**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

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

April 21, 2021

Justin Halpin
WRS d.b.a Berninger Environmental
17 Old Dock Road
Yaphank, NY 11980
TEL: (631) 589-6521
FAX: (631) 589-6528

RE: Former Quick and Clean; 380 Rockaway Tu Order No.: 2104116

Dear Justin Halpin:

American Analytical Laboratories, LLC. received 4 sample(s) on 4/19/2021 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **2104116**

21-Apr-21

CLIENT: WRS d.b.a Berninger Environmental

Project: Former Quick and Clean; 380 Rockaway Turnpi

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
2104116-001A	MW-1		4/19/2021 10:00:00 AM	4/19/2021 12:40:00 PM	Liquid
2104116-002A	MW-2		4/19/2021 10:15:00 AM	4/19/2021 12:40:00 PM	Liquid
2104116-003A	MW-3		4/19/2021 10:30:00 AM	4/19/2021 12:40:00 PM	Liquid
2104116-004A	MW-4		4/19/2021 10:45:00 AM	4/19/2021 12:40:00 PM	Liquid

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information

Company Name: WRS
Address: 17 Old Dock Rd
City: Yaphank State: NY Zip: 11980
Project Contact: Justin Halpin
Phone #:
E-mail:

Project Information

Project Name: Former Quick and clean
Street: 380 Rockaway Turnpike
City: Cedarhurst State: NY Zip: 11516
Project # / Purchase Order #: 16446
Sampler's Name / Company: Steven Polen / WRS
Sampler's Signature:

Analytical Test / Information

8260

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO_3	H_2SO_4	DI Water (5035A)	MeOH	OTHER	Analytical Test / Information
2104116-001	MW-1	G	L	4-19-21	10:00	G	2									1
002	2				10:15											1
003	3				10:30											1
004	4				10:45											1

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

Please contact laboratory for rush service availability

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODE

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Misc

ELECTRONIC DELIVERABLES

NYCRR Part 375 - please circle
Unres/ Comm/ Industrial/ Residential/ Res Residential/ PGW
NJ Soil Clean Up Criteria **SCDOH Action Levels**
CP 51 - Gas / Fuel **TCLP Hazardous Waste**
TOGS **NYSDEC EQUIS**

Comments / Remarks

PO# 34052

Cooler Temp: 4.3°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	4-19-21 1240	Steven Polen	Phyllis Mas	4/19/21 1240	Phyllis Mas
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: Berninger Work Order Number: 2104116 RcptNo: 1

Logged by:	Lori Beyer	4/19/2021 12:40:00 PM	Lori Beyer
Completed By:	Lori Beyer	4/19/2021 12:52:03 PM	Lori Beyer
Reviewed By:	Phyllis Masi	4/19/2021	Phyllis Masi

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? AAL Lab Courier

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☑ No ☐ No VOA Vials ☐
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Case Narrative

WO#: **2104116**
Date: **4/21/2021**

CLIENT: WRS d.b.a Berninger Environmental
Project: Former Quick and Clean; 380 Rockaway Turnpi

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion.

Volatile LCS are analyzed with preservatives - HCL/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Total Phosphorus in soil, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
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Website: www.American-Analytical.com

Definition Only

WO#: **2104116**
Date: **4/21/2021**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.
LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.
LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-1
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:00:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,1-Dichloroethene	48	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2,4,5-Tetramethylbenzene	160	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2,4-Trimethylbenzene	1700	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
1,2-Dibromo-3-chloropropane	ND	1.0	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,3,5-Trimethylbenzene	510	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
1,4-Dioxane	ND	0.50	1.0	U	µg/L	1	4/19/2021 5:50:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
2-Butanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 5:50:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	4/19/2021 5:50:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
2-Hexanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 5:50:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
4-Isopropyltoluene	62	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
4-Methyl-2-pentanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 5:50:00 PM
Acetone	ND	5.0	10	U	µg/L	1	4/19/2021 5:50:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-1
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:00:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
Benzene	13	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Bromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Carbon disulfide	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Chlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
cis-1,2-Dichloroethene	17000	50	200	D	µg/L	100	4/20/2021 11:15:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Cyclohexane	54	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Diisopropyl ether	ND	1.0	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Ethylbenzene	610	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
Freon-114	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Isopropylbenzene	48	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
m,p-Xylene	5800	50	200	D	µg/L	50	4/21/2021 1:20:00 AM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Methylene chloride	6.0	0.50	2.0	B	µg/L	1	4/19/2021 5:50:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
n-Propylbenzene	120	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
Naphthalene	370	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
o-Xylene	2400	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
p-Diethylbenzene	270	25	100	D	µg/L	50	4/21/2021 1:20:00 AM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-1
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:00:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
p-Ethyltoluene	1400	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
sec-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
t-Butyl alcohol	ND	5.0	10	U	µg/L	1	4/19/2021 5:50:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Tetrachloroethene	1.5	0.50	2.0	J	µg/L	1	4/19/2021 5:50:00 PM
Toluene	3300	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
trans-1,2-Dichloroethene	57	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Trichloroethene	97	0.50	2.0		µg/L	1	4/19/2021 5:50:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Vinyl acetate	ND	1.0	2.0	U	µg/L	1	4/19/2021 5:50:00 PM
Vinyl chloride	1300	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
Xylenes, Total	8200	75	300	D	µg/L	50	4/21/2021 1:20:00 AM
Methylcyclohexane	610	25	100	D	µg/L	50	4/21/2021 1:20:00 AM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	4/19/2021 5:50:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-2
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:15:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,1-Dichloroethene	42	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2,4,5-Tetramethylbenzene	38	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2,4-Trimethylbenzene	480	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
1,2-Dibromo-3-chloropropane	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,2-Dichloropropane	0.72	0.50	2.0	J	µg/L	1	4/19/2021 6:21:00 PM
1,3,5-Trimethylbenzene	120	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
1,4-Dioxane	ND	0.50	1.0	U	µg/L	1	4/19/2021 6:21:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
2-Butanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:21:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	4/19/2021 6:21:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
2-Hexanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:21:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
4-Isopropyltoluene	13	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
4-Methyl-2-pentanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:21:00 PM
Acetone	5.5	5.0	10	BJ	µg/L	1	4/19/2021 6:21:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-2
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:15:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
Benzene	3.1	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Bromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Carbon disulfide	1.0	0.50	2.0	J	µg/L	1	4/19/2021 6:21:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Chlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
cis-1,2-Dichloroethene	6800	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Cyclohexane	25	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Diisopropyl ether	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Ethylbenzene	230	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
Freon-114	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Isopropylbenzene	19	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
m,p-Xylene	780	50	200	D	µg/L	50	4/21/2021 1:51:00 AM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Methylene chloride	5.3	0.50	2.0	B	µg/L	1	4/19/2021 6:21:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
n-Propylbenzene	38	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
Naphthalene	130	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
o-Xylene	410	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
p-Diethylbenzene	71	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-2
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:15:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
p-Ethyltoluene	300	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
sec-Butylbenzene	2.9	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
t-Butyl alcohol	ND	5.0	10	U	µg/L	1	4/19/2021 6:21:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Tetrachloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Toluene	54	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
trans-1,2-Dichloroethene	11	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Trichloroethene	4.9	0.50	2.0		µg/L	1	4/19/2021 6:21:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Vinyl acetate	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Vinyl chloride	860	25	100	D	µg/L	50	4/21/2021 1:51:00 AM
Xylenes, Total	1200	75	300	D	µg/L	50	4/21/2021 1:51:00 AM
Methylcyclohexane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:21:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-3
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:30:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1-Dichloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2,4,5-Tetramethylbenzene	81	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2,4-Trimethylbenzene	950	5.0	20	D	µg/L	10	4/21/2021 12:17:00 AM
1,2-Dibromo-3-chloropropane	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,2-Dichloropropane	1.3	0.50	2.0	J	µg/L	1	4/19/2021 6:53:00 PM
1,3,5-Trimethylbenzene	250	5.0	20	D	µg/L	10	4/21/2021 12:17:00 AM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
1,4-Dioxane	ND	0.50	1.0	U	µg/L	1	4/19/2021 6:53:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
2-Butanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:53:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	4/19/2021 6:53:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
2-Hexanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:53:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
4-Isopropyltoluene	29	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
4-Methyl-2-pentanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 6:53:00 PM
Acetone	ND	5.0	10	U	µg/L	1	4/19/2021 6:53:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-3
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:30:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
Benzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Bromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Carbon disulfide	0.80	0.50	2.0	J	µg/L	1	4/19/2021 6:53:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Chlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
cis-1,2-Dichloroethene	50	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Cyclohexane	37	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Diisopropyl ether	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Ethylbenzene	140	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
Freon-114	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Isopropylbenzene	37	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
m,p-Xylene	830	10	40	D	µg/L	10	4/21/2021 12:17:00 AM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Methylene chloride	5.6	0.50	2.0	B	µg/L	1	4/19/2021 6:53:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
n-Propylbenzene	110	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
Naphthalene	98	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
o-Xylene	320	5.0	20	D	µg/L	10	4/21/2021 12:17:00 AM
p-Diethylbenzene	140	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-3
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:30:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
p-Ethyltoluene	740	5.0	20	D	µg/L	10	4/21/2021 12:17:00 AM
sec-Butylbenzene	10	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
t-Butyl alcohol	ND	5.0	10	U	µg/L	1	4/19/2021 6:53:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Tetrachloroethene	1.1	0.50	2.0	J	µg/L	1	4/19/2021 6:53:00 PM
Toluene	98	0.50	2.0		µg/L	1	4/19/2021 6:53:00 PM
trans-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Trichloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Vinyl acetate	ND	1.0	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Vinyl chloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM
Xylenes, Total	1200	15	60	D	µg/L	10	4/21/2021 12:17:00 AM
Methylcyclohexane	440	5.0	20	D	µg/L	10	4/21/2021 12:17:00 AM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	4/19/2021 6:53:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-4
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:45:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
1,1,1,2-Tetrachloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1,2-Trichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,1-Dichloroethene	2.0	0.50	2.0	J	µg/L	1	4/19/2021 7:24:00 PM
1,1-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2,3-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2,3-Trichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2,4,5-Tetramethylbenzene	56	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
1,2,4-Trichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2,4-Trimethylbenzene	770	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
1,2-Dibromo-3-chloropropane	ND	1.0	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2-Dibromoethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2-Dichloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,2-Dichloropropane	1.4	0.50	2.0	J	µg/L	1	4/19/2021 7:24:00 PM
1,3,5-Trimethylbenzene	190	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
1,3-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,3-dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,4-Dichlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
1,4-Dioxane	ND	0.50	1.0	U	µg/L	1	4/19/2021 7:24:00 PM
2,2-Dichloropropane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
2-Butanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 7:24:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	4/19/2021 7:24:00 PM
2-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
2-Hexanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 7:24:00 PM
2-Propanol	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
4-Chlorotoluene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
4-Isopropyltoluene	23	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
4-Methyl-2-pentanone	ND	2.0	5.0	U	µg/L	1	4/19/2021 7:24:00 PM
Acetone	ND	5.0	10	U	µg/L	1	4/19/2021 7:24:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-4
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:45:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
Benzene	2.6	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
Bromobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Bromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Bromodichloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Bromoform	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Bromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Carbon disulfide	1.0	0.50	2.0	J	µg/L	1	4/19/2021 7:24:00 PM
Carbon tetrachloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Chlorobenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Chlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Chloroethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Chloroform	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Chloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
cis-1,2-Dichloroethene	120	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
cis-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Cyclohexane	70	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
Dibromochloromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Dibromomethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Dichlorodifluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Diisopropyl ether	ND	1.0	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Ethylbenzene	360	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
Freon-114	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Hexachlorobutadiene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Isopropylbenzene	31	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
m,p-Xylene	1800	20	80	D	µg/L	20	4/21/2021 12:49:00 AM
Methyl Acetate	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Methyl tert-butyl ether	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Methylene chloride	5.5	0.50	2.0	B	µg/L	1	4/19/2021 7:24:00 PM
n-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
n-Propylbenzene	67	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
Naphthalene	150	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
o-Xylene	850	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
p-Diethylbenzene	83	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM

American Analytical Laboratories, LLC.

Date: *21-Apr-21*

ELAP ID : 11418

CLIENT:	WRS d.b.a Berninger Environmental	**Client Sample ID:**	MW-4
Lab Order:	2104116	**Collection Date:**	4/19/2021 10:45:00 AM
Project:	Former Quick and Clean; 380 Rockaway Turnpi	**Matrix:**	LIQUID
Lab ID:	2104116-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260D			**SW8260D**		**SW5030C**		Analyst: **IR**
p-Ethyltoluene	590	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
sec-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Styrene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
t-Butyl alcohol	ND	5.0	10	U	µg/L	1	4/19/2021 7:24:00 PM
tert-Butylbenzene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Tetrachloroethene	1.2	0.50	2.0	J	µg/L	1	4/19/2021 7:24:00 PM
Toluene	1100	10	40	D	µg/L	20	4/21/2021 12:49:00 AM
trans-1,2-Dichloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
trans-1,3-Dichloropropene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Trichloroethene	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Trichlorofluoromethane	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Vinyl acetate	ND	1.0	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Vinyl chloride	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM
Xylenes, Total	2700	30	120	D	µg/L	20	4/21/2021 12:49:00 AM
Methylcyclohexane	190	0.50	2.0		µg/L	1	4/19/2021 7:24:00 PM
Acrylonitrile	ND	0.50	2.0	U	µg/L	1	4/19/2021 7:24:00 PM

ANALYTICAL REPORT

Lab Number:	L2119911
Client:	WRS Environmental Services, Inc. 17 Old Dock Road Yaphank, NY 11980
ATTN:	Justin Halpin
Phone:	(631) 924-8111
Project Name:	QUICK AND CLEAN
Project Number:	16446
Report Date:	04/27/21

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: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2119911-01	EFFLUENT	SOIL_VAPOR	380 ROCKAWAY TURNPIKE, CEDARHURST, NY	04/19/21 11:01	04/20/21

Project Name:	QUICK AND CLEAN	**Lab Number:**	L2119911
Project Number:	16446	**Report Date:**	04/27/21

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:	QUICK AND CLEAN	**Lab Number:**	L2119911
Project Number:	16446	**Report Date:**	04/27/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 13, 2021. The canister certification results are provided as an addendum.

L2119911-01D: 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: 04/27/21

AIR

Project Name: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

SAMPLE RESULTS

Lab ID: L2119911-01 D
Client ID: EFFLUENT
Sample Location: 380 ROCKAWAY TURNPIKE, CEDARHURST, NY
Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/24/21 00:19
Analyst: TS

Date Collected: 04/19/21 11:01
Date Received: 04/20/21
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.256	--	2.48	1.27	--		1.282
Chloromethane	ND	0.256	--	ND	0.529	--		1.282
Freon-114	ND	0.256	--	ND	1.79	--		1.282
Vinyl chloride	ND	0.256	--	ND	0.654	--		1.282
1,3-Butadiene	ND	0.256	--	ND	0.566	--		1.282
Bromomethane	ND	0.256	--	ND	0.994	--		1.282
Chloroethane	ND	0.256	--	ND	0.676	--		1.282
Ethanol	574	6.41	--	1080	12.1	--		1.282
Vinyl bromide	ND	0.256	--	ND	1.12	--		1.282
Acetone	12.9	1.28	--	30.6	3.04	--		1.282
Trichlorofluoromethane	ND	0.256	--	ND	1.44	--		1.282
Isopropanol	45.0	0.641	--	111	1.58	--		1.282
1,1-Dichloroethene	ND	0.256	--	ND	1.01	--		1.282
Tertiary butyl Alcohol	0.894	0.641	--	2.71	1.94	--		1.282
Methylene chloride	ND	0.641	--	ND	2.23	--		1.282
3-Chloropropene	ND	0.256	--	ND	0.801	--		1.282
Carbon disulfide	ND	0.256	--	ND	0.797	--		1.282
Freon-113	ND	0.256	--	ND	1.96	--		1.282
trans-1,2-Dichloroethene	0.932	0.256	--	3.70	1.01	--		1.282
1,1-Dichloroethane	ND	0.256	--	ND	1.04	--		1.282
Methyl tert butyl ether	ND	0.256	--	ND	0.923	--		1.282
2-Butanone	0.710	0.641	--	2.09	1.89	--		1.282
cis-1,2-Dichloroethene	95.2	0.256	--	377	1.01	--		1.282

Project Name: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

SAMPLE RESULTS

Lab ID: L2119911-01 D
Client ID: EFFLUENT
Sample Location: 380 ROCKAWAY TURNPIKE, CEDARHURST, NY
Sample Depth:

Date Collected: 04/19/21 11:01
Date Received: 04/20/21
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.641	--	ND	2.31	--		1.282
Chloroform	2.48	0.256	--	12.1	1.25	--		1.282
Tetrahydrofuran	ND	0.641	--	ND	1.89	--		1.282
1,2-Dichloroethane	ND	0.256	--	ND	1.04	--		1.282
n-Hexane	ND	0.256	--	ND	0.902	--		1.282
1,1,1-Trichloroethane	ND	0.256	--	ND	1.40	--		1.282
Benzene	ND	0.256	--	ND	0.818	--		1.282
Carbon tetrachloride	ND	0.256	--	ND	1.61	--		1.282
Cyclohexane	ND	0.256	--	ND	0.881	--		1.282
1,2-Dichloropropane	ND	0.256	--	ND	1.18	--		1.282
Bromodichloromethane	ND	0.256	--	ND	1.72	--		1.282
1,4-Dioxane	ND	0.256	--	ND	0.923	--		1.282
Trichloroethene	14.6	0.256	--	78.5	1.38	--		1.282
2,2,4-Trimethylpentane	ND	0.256	--	ND	1.20	--		1.282
Heptane	ND	0.256	--	ND	1.05	--		1.282
cis-1,3-Dichloropropene	ND	0.256	--	ND	1.16	--		1.282
4-Methyl-2-pentanone	ND	0.641	--	ND	2.63	--		1.282
trans-1,3-Dichloropropene	ND	0.256	--	ND	1.16	--		1.282
1,1,2-Trichloroethane	ND	0.256	--	ND	1.40	--		1.282
Toluene	ND	0.256	--	ND	0.965	--		1.282
2-Hexanone	ND	0.256	--	ND	1.05	--		1.282
Dibromochloromethane	ND	0.256	--	ND	2.18	--		1.282
1,2-Dibromoethane	ND	0.256	--	ND	1.97	--		1.282
Tetrachloroethene	13.3	0.256	--	90.2	1.74	--		1.282
Chlorobenzene	ND	0.256	--	ND	1.18	--		1.282
Ethylbenzene	ND	0.256	--	ND	1.11	--		1.282

Project Name: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

SAMPLE RESULTS

Lab ID: L2119911-01 D
Client ID: EFFLUENT
Sample Location: 380 ROCKAWAY TURNPIKE, CEDARHURST, NY
Sample Depth:

Date Collected: 04/19/21 11:01
Date Received: 04/20/21
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.513	--	ND	2.23	--		1.282
Bromoform	ND	0.256	--	ND	2.65	--		1.282
Styrene	ND	0.256	--	ND	1.09	--		1.282
1,1,2,2-Tetrachloroethane	ND	0.256	--	ND	1.76	--		1.282
o-Xylene	ND	0.256	--	ND	1.11	--		1.282
4-Ethyltoluene	ND	0.256	--	ND	1.26	--		1.282
1,3,5-Trimethylbenzene	ND	0.256	--	ND	1.26	--		1.282
1,2,4-Trimethylbenzene	ND	0.256	--	ND	1.26	--		1.282
Benzyl chloride	ND	0.256	--	ND	1.33	--		1.282
1,3-Dichlorobenzene	ND	0.256	--	ND	1.54	--		1.282
1,4-Dichlorobenzene	ND	0.256	--	ND	1.54	--		1.282
1,2-Dichlorobenzene	ND	0.256	--	ND	1.54	--		1.282
1,2,4-Trichlorobenzene	ND	0.256	--	ND	1.90	--		1.282
Hexachlorobutadiene	ND	0.256	--	ND	2.73	--		1.282

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/21 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1490024-4								
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: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/21 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1490024-4								
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: QUICK AND CLEAN
Project Number: 16446
Lab Number: L2119911
Report Date: 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/23/21 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1490024-4								
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: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1490024-3								
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	99		-		40-160	-		
Vinyl bromide	83		-		70-130	-		
Acetone	62		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	64		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	84		-		70-130	-		
3-Chloropropene	85		-		70-130	-		
Carbon disulfide	76		-		70-130	-		
Freon-113	81		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1490024-3								
Ethyl Acetate	111		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	105		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	112		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	113		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	110		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	115		-		70-130	-		
trans-1,3-Dichloropropene	103		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	127		-		70-130	-		
Dibromochloromethane	109		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1490024-3								
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	107		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	118		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Benzyl chloride	115		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1490024-5 QC Sample: L2119911-01 Client ID: EFFLUENT						
Dichlorodifluoromethane	0.501	0.517	ppbV	3		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	1.22	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	574	558	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	12.9	13.1	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	45.0	46.0	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	0.894	0.914	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	0.932	0.942	ppbV	1		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1490024-5 QC Sample: L2119911-01 Client ID: EFFLUENT						
2-Butanone	0.710	0.726	ppbV	2		25
cis-1,2-Dichloroethene	95.2	96.7	ppbV	2		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	2.48	2.50	ppbV	1		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	14.6	14.5	ppbV	1		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1490024-5 QC Sample: L2119911-01 Client ID: EFFLUENT						
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	13.3	13.3	ppbV	0		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: QUICK AND CLEAN

Project Number: 16446

Lab Number: L2119911

Report Date: 04/27/21

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
L2119911-01	EFFLUENT	2900	6.0L Can	04/13/21	348794	L2117022-09	Pass	-29.4	-2.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/06/21 22:41
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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
Project Number: CANISTER QC BAT
Lab Number: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

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

Lab Number: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/06/21 22:41
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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 **Lab Number:** L2117022

Project Number: CANISTER QC BAT **Report Date:** 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	0.050	--	ND	0.188	--		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
1,1,2,2-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	0.200	--	ND	1.04	--		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: L2117022
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2117022-09
Client ID: CAN 999 SHELF 31
Sample Location:

Date Collected: 04/06/21 07:00
Date Received: 04/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	94		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name: QUICK AND CLEAN
Project Number: 16446

Lab Number: L2119911
Report Date: 04/27/21

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(*)
L2119911-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	QUICK AND CLEAN	**Lab Number:**	L2119911
Project Number:	16446	**Report Date:**	04/27/21

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:	QUICK AND CLEAN	**Lab Number:**	L2119911
Project Number:	16446	**Report Date:**	04/27/21

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.

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'.

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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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.

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

Report Format: Data Usability Report

Project Name:	QUICK AND CLEAN	**Lab Number:**	L2119911
Project Number:	16446	**Report Date:**	04/27/21

Data Qualifiers

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.

Report Format: Data Usability Report

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, SM4500Cl-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.

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4-21-21

ALPHA Job #: L2119911

Client Information

Client: WRS
Address: 17 Old Dock Rd
Yaphank NY 11980
Phone: 631-589-6521
Fax: ——
Email: jhalpin@wrses.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Quick and Clean
Project Location: 380 Rockaway Turnpike
Project #: 16446
Project Manager: Justin Halpin
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #: 34009

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
19911-01	Effluent	4-19-21	11Am	11:01Am	-24.4	-1.5	SV	SP	6L	2900	Grab	✓					PID@ 0.0 ppm

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Severe AAL	4/20/21	Paul Severe AAL	4/20/21 9:50
Paul Severe AAL	4/20/21 12:30	[signature]	4/20/21 2200
[signature]	4/21/21 0325	[signature]	4/21/21 0325

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)