TYLL ENGINEERING & CONSULTING PC

December 20, 2023

Ms. Jolene Lozewski
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway Albany, NY 12233-7020

Re: **Quarterly Sampling Report**
Former Quick and Clean Cleaners
NYSDEC Site No. 130198
380 Rockaway Turnpike
Cedarhurst, New York

Dear Ms. Lozewski,

Please find the Quarterly Sampling Report for the third Quarter of 2023. Quarterly sampling activities were conducted on August 29, 2023, and included monitoring well gauging, monitoring well sampling, and SSDS effluent sampling.

Below is a summary of both the groundwater and SSDS effluent sampling activities.

Quarterly Reporting Summary

Reporting Period: 3rd Quarter of 2023 (July, August, and September 2023)

Site Status: Building is in service and occupied by medical office tenant.

Monitoring Performed this Quarter:
July 28, 2023 – Monthly SSDS monitoring
August 29, 2023 – Monthly SSDS monitoring and

- Quarterly monitoring well gauging and sampling.
- Quarterly SSDS effluent sampling.

September 27, 2023 - – Monthly SSDS monitoring.

GROUNDWATER

Monitoring Program Summary – Groundwater

No. of Wells:	Four (4) on-site monitoring wells (MW-1 to MW-4)
Gauging Frequency:	Quarterly, for all four (4) onsite monitoring wells
Sampling Frequency:	Quarterly, for all four (4) onsite monitoring wells
Reporting Frequency:	Quarterly
Groundwater Depth:	Approximately 5.6 to 11.2 feet below top of casing (btoc)
GW Flow Direction:	Northwesterly, consistent with previous rounds

Monitoring Well Gauging

Depth to water readings were taken from the four (4) monitoring wells with an electronic interface probe prior to purging the wells for sampling. At the time of sampling, depth to groundwater was measured between 5.6 ft. and 11.2 ft. btoc. The depth to groundwater measurements and well top of casing elevations were used to determine the approximate groundwater flow direction (**Figure 2**).

Groundwater Sampling

The 3rd Quarter 2023 groundwater sampling event was performed on August 29, 2023. The groundwater samples were collected from MW-1, MW-2, MW-3, and MW-4 in accordance with the United States Environmental Protection Agency (USEPA) low-flow groundwater sampling procedures. See **Figure 2** for the location of all on-site monitoring wells. A Horiba was used to obtain water quality parameters over a 20 -minute period including dissolved oxygen (DO), temperature, pH, conductivity, and turbidity for determination of stabilization / confirmation representative groundwater aquifer sample. Groundwater Sampling Logs with water quality parameters for each of the four (4) monitoring wells are attached as **Appendix A**.

Groundwater elevation, as determined from the depth to water readings and casing elevations, was used to approximate groundwater contours and the groundwater flow direction for the site (**Figure 2**).

The groundwater samples were picked up by a laboratory dispatched courier and delivered to York Environmental Laboratories (York) of 120 Research Drive, Stratford, CT 06615, a New York State ELAP certified environmental laboratory (ELAP Certification No. 10854 and 12058). The groundwater samples were submitted for laboratory analysis for the Target Compound List (TCL) volatile organic compounds (VOCs) via EPA Method 8260.

Copies of the laboratory reports are attached as **Appendix B**. The laboratory results are summarized and compared to New York State Groundwater standards in **Table 2** and to previous sampling events in **Table 3.**

Groundwater Sampling Results:

The groundwater results were compared to NYSDEC Class GA Groundwater Standards and Guidance Values (TOGS No. 1.1.1). The chlorinated solvents tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2 DCE) and trans-1,2-dichloroethene (trans-1,2 DCE) all have a groundwater standard of 5 ug/L and vinyl chloride (VC) has a standard of 2 ug/L. Quarterly sampling results are summarized in **Table 2** and illustrated on **Figure 4**. Detections above groundwater standards are highlighted.

Chlorinated VOCs were present above groundwater standards in each of the monitoring wells sampled: MW-1, MW-2, MW-3, and MW-4. To summarize:

- PCE and TCE were non-detect in all monitoring well samples.
- cis-1,2 DCE concentrations ranged from non-detected in MW-4 to 2,900 ug/L in MW-1.
- trans-1,2 DCE was not detected in any monitoring well samples.
- VC was detected in the MW-1 and MW-2 samples at 32 and 410 ug/L, respectively.

Groundwater samples also indicated elevated levels of BTEX (benzene, toluene, ethylbenzene, m,p-Xylene and o-Xylene). Individual BTEX constituents were detected above groundwater standards in MW-1, MW-2, and MW-4. Quarterly sampling results are summarized in **Table 2** and illustrated on **Figure 5**. The detections may be due to contamination from one of the nearby gas stations.

SOIL VAPOR

Monitoring Program Summary – Soil Vapor

No. of SSDS Legs:	Two legs connected before the SSDS fan.
Monitoring Frequency:	**Monthly:** system pressure measurements in each leg and stack condition.
Sampling Frequency:	Quarterly sampling of the SSDS effluent.
Reporting Frequency:	Monthly and quarterly.

SSDS Monthly Measurements

Each month, pressure measurements were taken from each of the two SSDS legs with an electronic pressure probe. Pressure readings were not collected for each individual SSDS leg due to miscommunication until the September monthly monitoring event.

SSDS Effluent Sampling

The 3rd Quarter 2023 SSDS Effluent sampling event was performed on August 29, 2023. The soil vapor sample was collected in a 6 Liter Summa Canister from the sampling port on the SSDS on the roof and picked up by laboratory dispatched courier and delivered to York Environmental Laboratories (ELAP Certification Nos. 10854 and 12058) for analysis of VOCs via USEPA Method TO-15. The SSDS effluent collection procedure involved the connection from the SSDS sampling port to the summa can that used a grab regulator with clean 3/8" poly-tubing. The can was opened upon connection and the sample was

collected over an approximate 30 second interval. The Quarterly Field Sampling Record SSDS Effluent Form is attached as **Appendix D**.

SSDS Effluent Sampling Results:

The results for this event documented sub-slab vapor readings for PCE at 380 ug/m^3; TCE at 240 ug/m^3; total DCE at 315 ug/m^3 and VC was 0.28 ug/m^3. Copies of the laboratory reports are attached as **Appendix B**. The laboratory results are summarized in **Table 3** and to previous sampling events in **Table 4.**

CONCLUSIONS

Monitoring and sampling of groundwater and SSDS effluent will continue on a quarterly basis along with monthly monitoring of the SSDS. The next quarterly sampling event is scheduled for on or around November 2023.

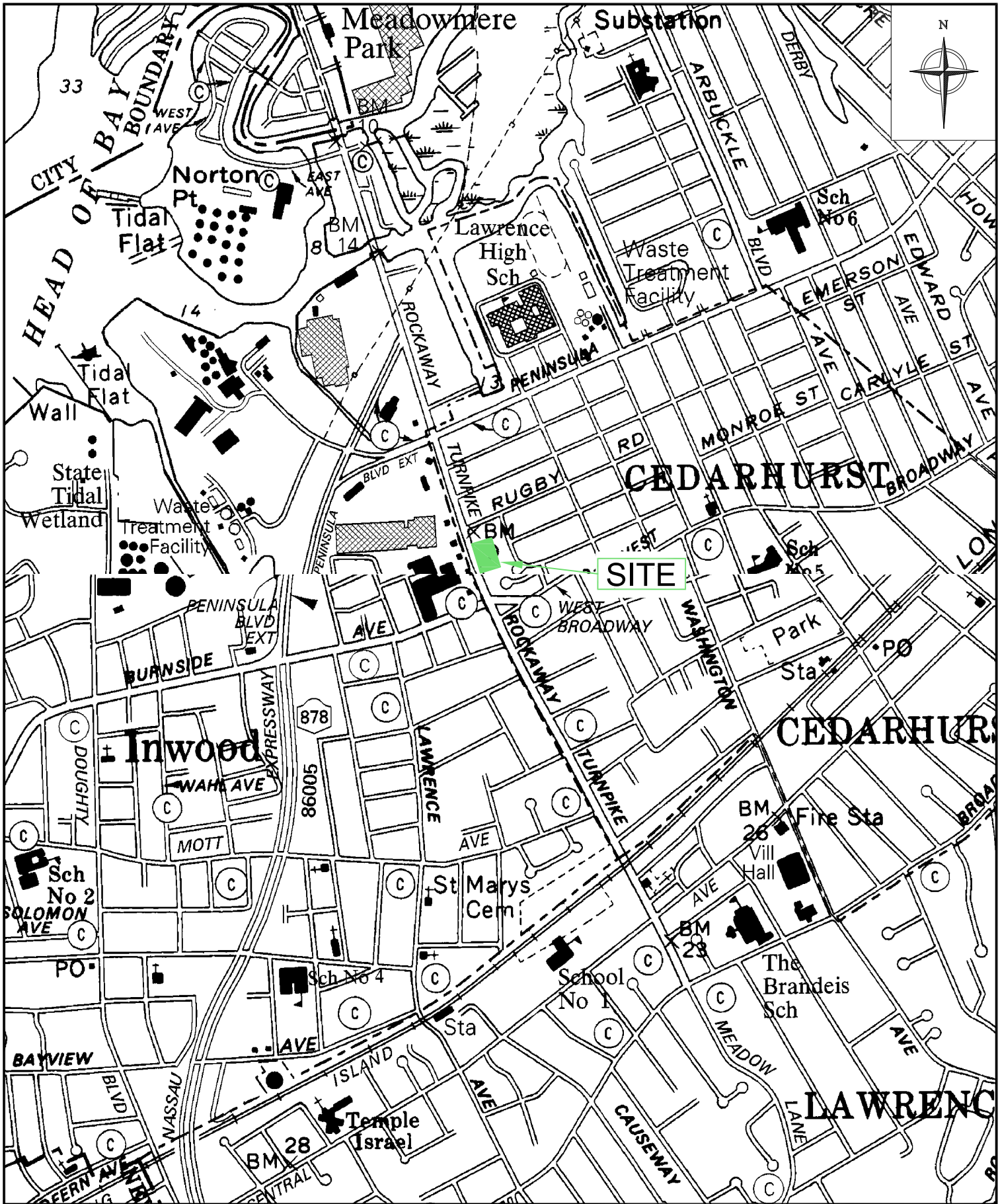
Sincerely,

TYLL ENGINEERING AND CONSULTING, PC

Karen Tyll, PE
President

CC Sam Aranbaev (Owner)
Charlotte Bethoney (NYSDOH)
Alali Tamuno (DEC)
Bob Corcoran (DEC)

FIGURES



PREPARED BY:

TEC

TYLL ENGINEERING & CONSULTING PC

169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

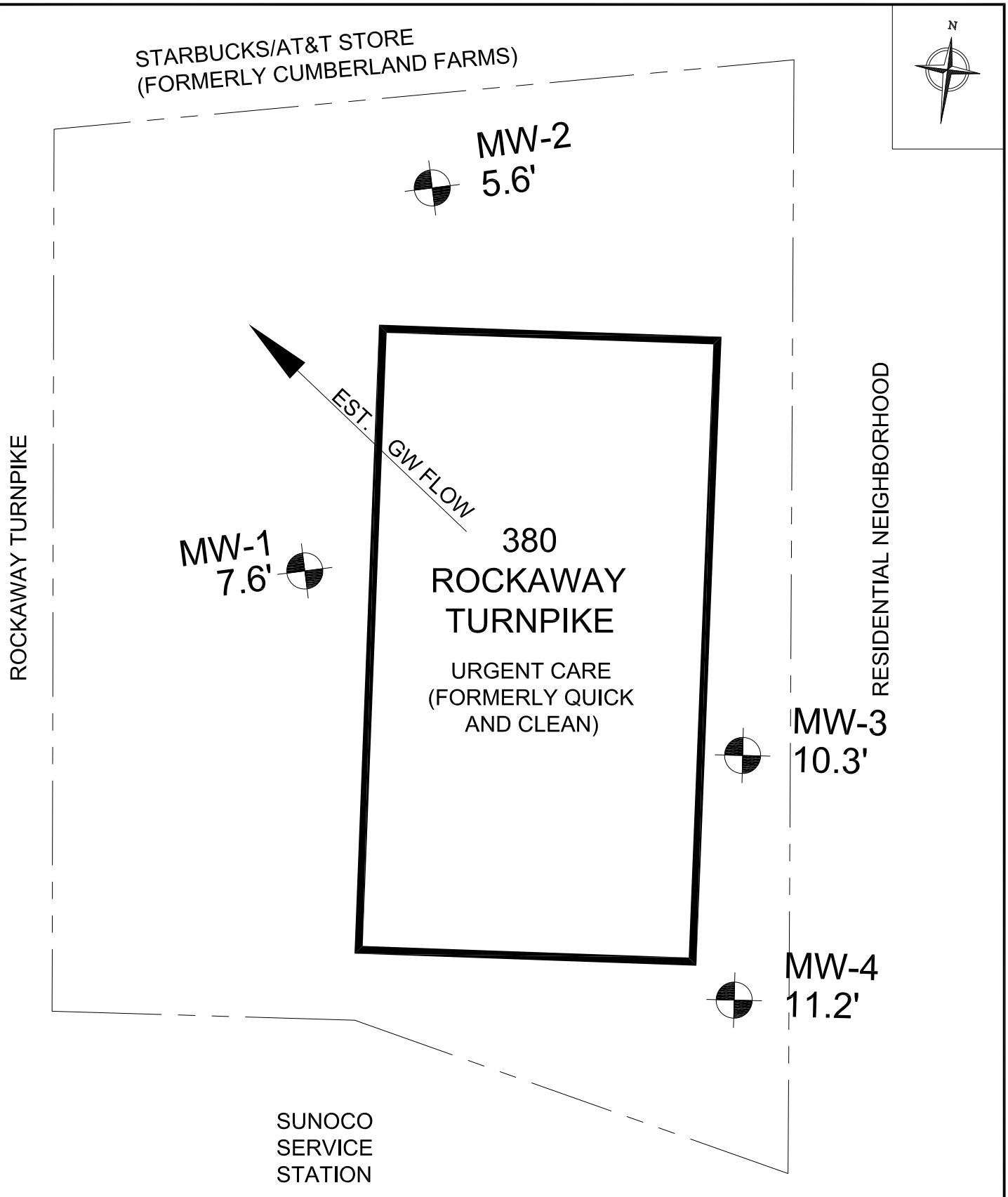
TITLE:

SITE LOCATION MAP

380 ROCKAWAY TURNPIKE
CEDARHURST, NY

DWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	10-8-23	380R2301
CHKD:	APPD:	REV.:	NOTES:
KT	KT	-	-

FIGURE NO.: 1



PREPARED BY:	TITLE:	DWN:	SCALE:	DATE:	PROJECT NO.:
TYLL ENGINEERING & CONSULTING PC 169 Commack Road, Suite H173, Commack, NY 11725 PHONE: (631) 629-5373 info@tyllengineering.com	**SITE PLAN** 380 ROCKAWAY TURNPIKE CEDARHURST, NY	-	NTS	10-8-23	380R2301
		CHKD: KT	APPD: KT	REV.: -	NOTES: -
		FIGURE NO.: 2			

Former Cumberland Farms SS

Rockaway Turnpike

Fence

Residential

Drain trenching

Bathroom

Boiler Room

OFFICE SPACE

OFFICE SPACE

EXAM ROOM 1

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

EXAM ROOM 2

RECEPTION

OFFICE

OFFICE

OFFICE

DOUBLE DOOR

EXAM ROOM 3

EXAM ROOM 4

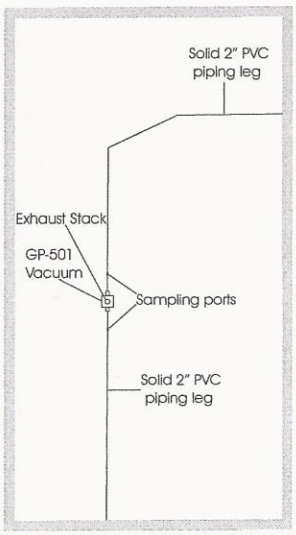
WAITING AREA

LABORATORY

On/off switch system shutdown warning light

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

PLAN VIEW ROOFTOP CONSTRUCTION

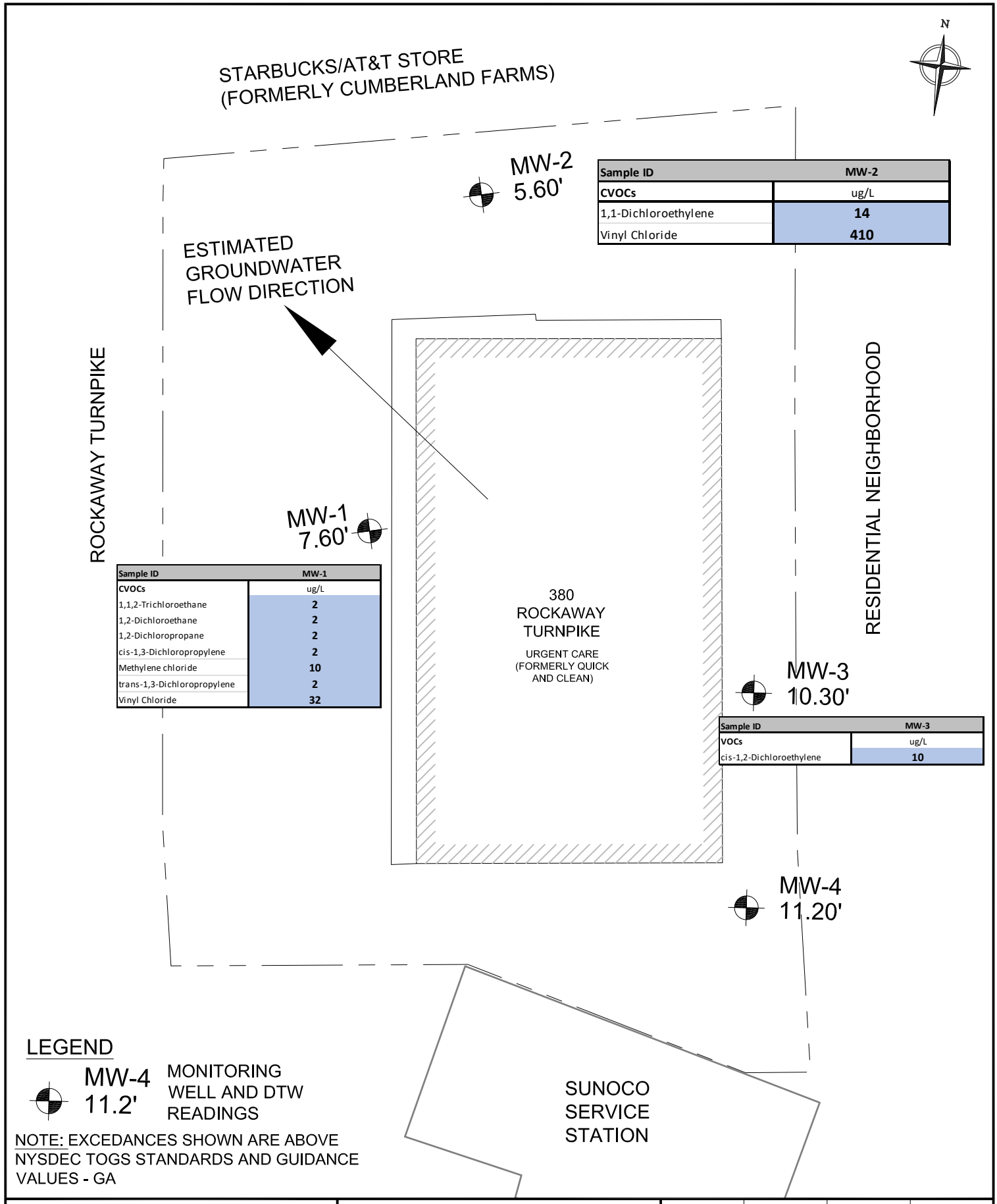


1"=28'

STATE OF NEW YORK
JOHN V. SODERBERG
LICENSED PROFESSIONAL ENGINEER
49975

1"=14'

URGENT-MD **Former Quick and Clean Cleaners** **380 Rockaway Turnpike** **Cedarhurst, New York**	Figure-3 SSDS As-built	**John V. Soderberg P.E** **PO Box 263** **Stony Brook, New York**



PREPARED BY:

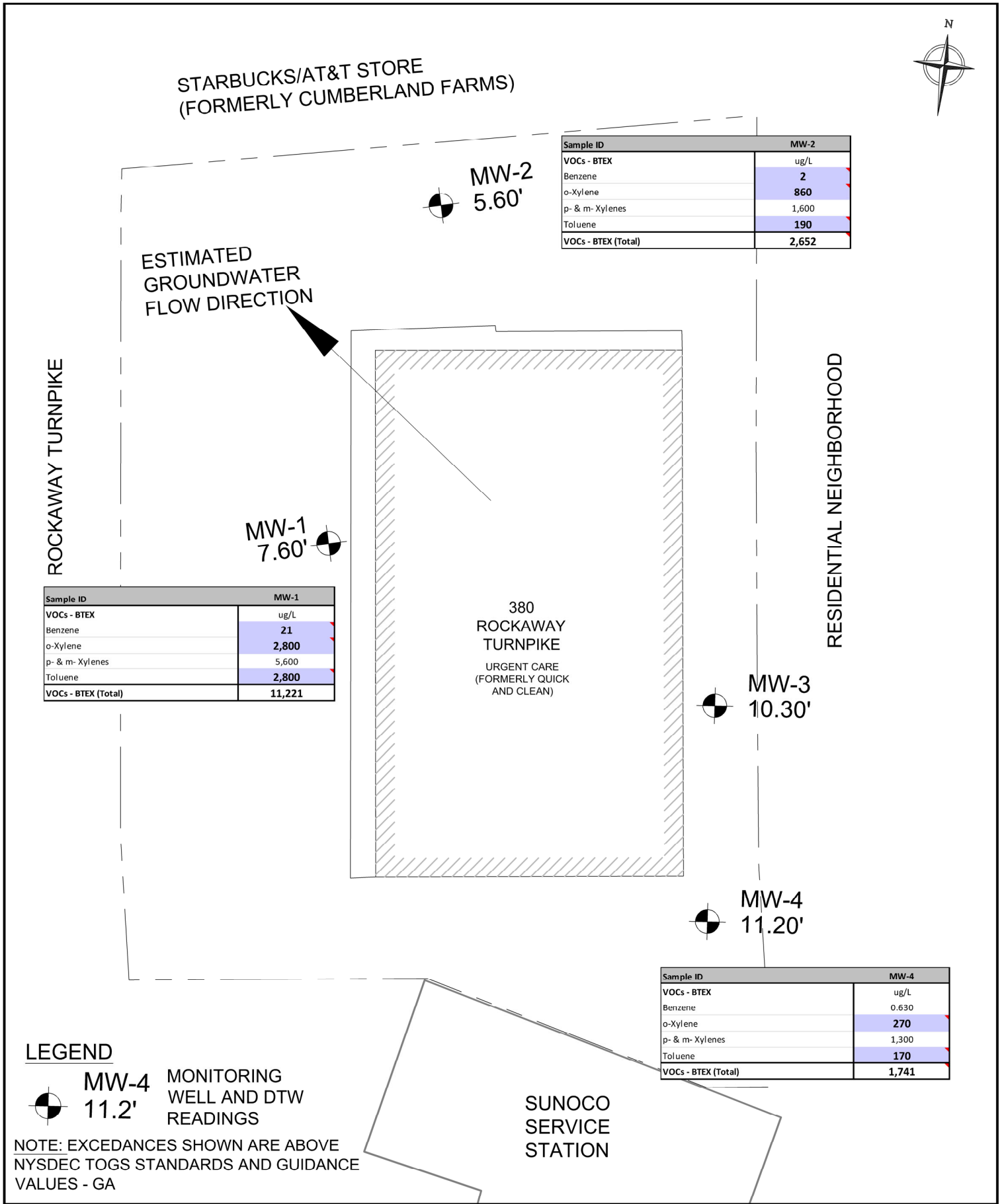
TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 Info@tyllengineering.com

TITLE:

AUGUST 2023 EXCEEDANCES IN GROUNDWATER - CVOCS
380 ROCKAWAY TURNPIKE
CEDARHURST, NY

DWN:	SCALE:	DATE:	PROJECT NO.:
-	1" = 20'	12-12-23	380R2301
CHKD:	APPD:	REV.:	NOTES:
KT	KT	-	-

FIGURE NO.: 4



Sample ID	MW-2
VOCs - BTEX	ug/L
Benzene	**2**
o-Xylene	**860**
p- & m- Xylenes	1,600
Toluene	**190**
VOCs - BTEX (Total)	**2,652**

Sample ID	MW-1
VOCs - BTEX	ug/L
Benzene	**21**
o-Xylene	**2,800**
p- & m- Xylenes	5,600
Toluene	**2,800**
VOCs - BTEX (Total)	**11,221**

Sample ID	MW-4
VOCs - BTEX	ug/L
Benzene	0.630
o-Xylene	**270**
p- & m- Xylenes	1,300
Toluene	**170**
VOCs - BTEX (Total)	**1,741**

LEGEND

MW-4 11.2' — MONITORING WELL AND DTW READINGS

NOTE: EXCEDANCES SHOWN ARE ABOVE NYSDEC TOGS STANDARDS AND GUIDANCE VALUES - GA

PREPARED BY:

TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 info@tyllengineering.com

TITLE:

AUGUST 2023 EXCEEDANCES IN GROUNDWATER - BTEX
380 ROCKAWAY TURNPIKE
CEDARHURST, NY

DWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	12-12-23	380R2301
CHKD:	APPD:	REV.:	NOTES:
KT	KT	-	-

FIGURE NO.: 5

TABLES

TABLE 1 - GROUNDWATER SAMPLING RESULTS
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY

Sample ID York ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	MW-1 23H2175-01 8/29/2023 9:00:00 AM Ground Water		MW-2 23H2175-02 8/29/2023 9:30:00 AM Ground Water		MW-3 23H2175-03 8/29/2023 10:00:00 AM Ground Water		MW-4 23H2175-04 8/29/2023 10:30:00 AM Ground Water	
Compound		Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	ug/L	ug/L		ug/L		ug/L		ug/L	
Dilution Factor		100		100		1		25	
Benzene	1	**21**	D	**2**		0.200	U	0.630	
cis-1,2-Dichloroethylene	5	**2,900**	D	**2,700**	D	**10**		2.400	
Ethyl Benzene	5	**690**	D	**500**	D	0.510		**270**	D
o-Xylene	5	**2,800**	D	**860**	D	2.200		**270**	D
p- & m- Xylenes	~	5,600	D	1,600	D	1.700		1,300	D
Tetrachloroethylene	5	2	U	0.420	J	0.200	U	0.200	U
Toluene	5	**2,800**	D	**190**	D	0.200	U	**170**	D
trans-1,2-Dichloroethylene	5	2	U	0.200	U	0.200	U	0.200	U
Trichloroethylene	5	2	U	0.200	U	0.200	U	0.200	U
Vinyl Chloride	2	**32**	D	**410**	D	0.240	J	0.200	U
Xylenes, Total	5	**8,400**	D	**2,500**	D	3.900		**1,600**	D
Total BTEX	**16**	**11,911**		**5,650**		**9**		**3,610**	
Total VOCs		**17,368**		**7,682**		**75**		**2,958**	

D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
Bold and highlighted = over TOGS standards

TABLE 2 - HISTORIC GROUNDWATER SAMPLING RESULTS - 3Q 2023

Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY

	MW-1						MW-2						MW-3						MW-4					
Analyte Month	**PCE**	**TCE**	**Total DCE**	**VC**	**BTEX**	**Total VOCs**	**PCE**	**TCE**	**Total DCE**	**VC**	**BTEX**	**Total VOCs**	**PCE**	**TCE**	**Total DCE**	**VC**	**BTEX**	**Total VOCs**	**PCE**	**TCE**	**Total DCE**	**VC**	**BTEX**	**Total VOCs**
NYSDEC TOGS Standards and Guidance Values - GA	**5 ug/L**	**5 ug/L**	**10 ug/L**	**2 ug/L**	**16 ug/L**		**5 ug/L**	**5 ug/L**	**10 ug/L**	**2 ug/L**	**16 ug/L**		**5 ug/L**	**5 ug/L**	**10 ug/L**	**2 ug/L**	**16 ug/L**		**5 ug/L**	**5 ug/L**	**10 ug/L**	**2 ug/L**	**16 ug/L**	
October 2015	1.4	n/d	9,336.0	190			1.7	4.2	513.0	530			2.2	n/d	92.0	n/d			1.1	n/d	580	45.0		
January 2016	n/d	n/d	12,021.0	160			0.8	6.6	1,802.9	690			0.9	n/d	29.0	n/d			n/d	n/d	180	23.0		
April 2016	0.5	n/d	14,000.0	200			1.0	6.0	2,500.0	310			1.0	n/d	39.0	n/d			1.0	n/d	471	23.0		
July 2016	n/d	n/d	6,307.0	18			n/d	1.0	11,009.0	1,500			1.4	n/d	381.0	n/d			1.1	n/d	761	n/d		
October 2016	0.7	n/d	892.3	n/d			0.5	n/d	6,217.0	1,300			n/d	n/d	10.0	n/d			0.7	n/d	93	n/d		
February 2017	0.4	n/d	2,703.4	n/d			n/d	1.4	7,804.1	810			0.3	0.9	651.8	n/d			0.7	0.9	1500.6	21.0		
April 2017	0.5	n/d	2,418.0	n/d			0.5	3.3	4,480.0	590			0.5	n/d	632.6	n/d			0.9	n/d	1606.6	n/d		
July 2017	0.4	4.7	5,424.0	420			0.5	4.7	3,307.0	510			0.5	n/d	231.3	n/d			0.5	n/d	32	n/d		
October 2017	1.5	9.8	2,305.7	280			0.3	1.4	5,306.7	1,400			0.6	n/d	251.4	n/d			2.2	1.2	2601.4	n/d		
January 2018	0.3	n/d	1,801.7	35			0.3	1.2	12,006.8	1,500			n/d	n/d	140.0	n/d			n/d	n/d	2100	n/d		
April 2018	0.3	n/d	5,212.0	240			1.6	23.0	1,702.2	330			0.6	n/d	67.3	n/d			0.9	0.7	1300.9	26.0		
July 2018	0.77	100.0	7.3	450	**3,831.80**	**5,011.80**	0.4	0.9	8,107.2	960	**1,589.9**	**2,228.80**	1.4	n/d	35.3	n/d	**2,423.0**	**4,120.30**	2.4	n/d	70	n/d	**863.20**	**1,503.70**
October 2018	1.6	n/d	8,807.9	220	**7,639.80**	**8,841.50**	3.4	32.0	3,304.8	720	**778.95**	**1,173.82**	0.4	n/d	26.0	n/d	**222.3**	**552.36**	1.1	n/d	450.3	15.0	**1,722**	**2,309.80**
January 2019	3.6	3.6	12,022.0	160	**5,107.90**	**6,098.40**	n/d	n/d	160.3	78	**211.1**	**332.57**	0.4	n/d	3.2	n/d	**230.0**	**567.9**	1.1	0.5	730.3	n/d	**1,793.10**	**2,220.63**
April 2019	<1	n/d	13,022.0	270	**4,923.30**	**6,075.50**	<1	3.2	450.3	100	**1633.67**	**2,298.07**	0.4	n/d	0.9	n/d	**277.9**	**843.8**	1.0	n/d	300	<1	**1,249.90**	**1,557.48**
August 2019	37	n/d	25,120.0	2,100	**13,790**	**18,400**			NA	NA			1.9	n/d	50	n/d	**3,012.0**	**5,908**	2.1	n/d	26	n/d	**2,270.00**	**4,074.00**
October 2019	3.6	n/d	24,092.0	380	**11,820**	**15,639.00**	n/d	2.2	1,416	340	**14,320**	**17,689.00**	n/d	n/d	230	n/d	**2,990.0**	**5,694.00**	0.95	n/d	140	n/d	**1,076.70**	**1,693.30**
January 2020	1.3	n/d	13,034.0	450	**8,226.40**	**10,454.50**	6.3	n/d	1,001	n/d	**13,212.0**	**15,913.50**	0.9	n/d	8.1	n/d	**544.0**	**1,475.50**	1.7	15.0	10020	2100.0	**2,005.50**	**3,410.80**
April 2020		*NA*	*NA*	*NA*			15.4	15.3	155	n/d	**486.24**	**988.05**	n/d	n/d	19.3	n/d	**330.7**	**1,077.45**	n/d	n/d	118	n/d	**2,994.00**	**4,078.40**
July 2020	1.1	n/d	1,911.0	61	**7,505.40**	**9,951.40**	1.8	7.5	12,021	2,300	**877**	**1,516.00**	1.4	n/d	40	n/d	**1,812.0**	**3,795.00**	0.8	n/d	19	n/d	**2,960.66**	**4,418.76**
October 2020	0.8	n/d	3,201.9	36	**8,977.30**	**11,932.30**	n/d	n/d	33,044	4,400	**4,355**	**6,326.40**	1.1	n/d	200	n/d	**1,760.7**	**3,572.72**	1.2	n/d	140	n/d	**6,581.80**	**8,842.90**
January 2021		n/d	12,000.0	96	**26,735**	**30,797.00**	n/d	n/d	34,000	2,100	**4,460.0**	**6,561.00**	n/d	n/d	220	n/d	**3,480.0**	**6,252.00**	n/d	n/d	490	22.0	**10,990.00**	**13,488.00**
April 2021	1.5	97.0	17,057.0	1,300	**12,123**	**14,933.00**	n/d	4.9	6,811	860	**1,477.1**	**2,280.00**	1.1	n/d	50	n/d	**1,388.0**	**2,872.00**	1.2	n/d	120	n/d	**4,112.60**	**5,343.60**
July 2021	13	59.0	5,311.0	870	**9,685.70**	**13,366.70**	0.55	6.2	8,038	3,600	**1,660.6**	**2,496.30**	1.1	n/d	120	n/d	**1,910.0**	**3,592.80**	1.1	n/d	63	n/d	**5,351.60**	**6,822.90**
October 2021	2.4	22.0	10,010.0	1,400	**8,434.80**	**10,607.80**	8.0	4.0	3,112	1,900	**3,026.30**	**4,788.30**	0.84	n/d	6.7	n/d	**991.0**	**2,310.70**	3.6	1.4	280.6	n/d	**17,109.70**	**20,098.90**
January 2022	2.0	2.9	14,170.0	680	**24,617**	**31,826.00**	1.2	8.9	13,065	3,300	**2,890.0**	**6,660.00**	1.7	n/d	60	n/d	**3,515.6**	**5,452.10**	2.4	0.91	130	n/d	**9,386.20**	**12,047.90**
April 2022	n/d	1.6	6,252.0	191	**19,918.30**	**24,955.70**	1.1	6.5	10,886	1,070	**3,161.7**	**4,987.50**	1.6	n/d	87.9	n/d	**2,395.5**	**5,016.10**	1.4	n/d	79.2	6.3	**8,239.70**	**10,364.70**
July 2022	n/d	n/d	4,947.4	80	**30,067.20**	**40,423.40**	n/d	1.7	34,448	4,250	**7,080.0**	**13,287.30**	1.5	1.3	71.8	n/d	**2,648.0**	**6,126.40**	1.2	n/d	29.7	n/d	**6,037.90**	**8,292.50**
October 2022	n/d	n/d	4,024.0	46.3	**14,819.30**	**18,880.50**	n/d	n/d	36,888	4,190	**3,766.6**	**5,675.10**	n/d	n/d	163.0	2	**1,539.0**	**2,964.70**	n/d	n/d	32.9	3.3	**4,119.30**	**5,920.10**
January 2023	n/d	n/d	5,392.9	50.5	**11,936**	**17,239.30**	n/d	1.1	27,077	2,810	**3,121.2**	**6,289.50**	n/d	n/d	73.5	n/d	**276.3**	**684.50**	n/d	n/d	25.3	15.4	**3,943.40**	**5,015.50**
April 2023	n/d	n/d	2,936.6	n/d	**13,424**	**16,712**	n/d	n/d	347,574	2,080	**2,884.0**	**4,715.50**	n/d	n/d	290.3	1.1	**681.1**	**1,590.10**	n/d	n/d	54.4	28.9	**7,246.40**	**9,047.40**
August 2023	n/d	n/d	2,902.0	32.0	**11,911**	**26,090**	0.42	n/d	2,700	410	**3,192.0**	**10,372.00**	n/d	n/d	10.0	n/d	**5.0**	**84**	n/d	n/d	2.4	n/d	**2,041**	**4,709**

n/d = non-detect
shaded means that the result is above the guidance values

TABLE 3 - SSDS STACK EMISSIONS CONCENTRATIONS

Former Quick and Clean Cleaners
380 Rockaway Turnpike, Cedarhurst, NY

Sample ID	**Effluent SSDS Pipe**	
York ID	**23H2166-01**	
Sampling Date	**8/29/2023 11:30:00 AM**	
Client Matrix	**Air**	
Compound	Result	Q
Volatile Organics, EPA TO15 Full List	ug/m3	
Dilution Factor	2.718	
Benzene	0.430	U
cis-1,2-Dichloroethylene	**310**	D
Ethyl Benzene	0.590	U
o-Xylene	0.650	D
p- & m- Xylenes	1.400	D
Tetrachloroethylene	**380**	D
Toluene	1.400	D
trans-1,2-Dichloroethylene	5.200	D
Trichloroethylene	**240**	D
Vinyl Chloride	0.280	D

D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
Bold = above the NYSDOH SV 052017 Decision Matrices Minimum Concentrations

TABLE 4 - HISTORIC SSDS STACK EMISSIONS CONCENTRATIONS
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY

(ug/m3)	PCE	TCE	Total DCE	VC
October 2015	96	n/d	360	n/d
January 2016	n/d	n/d	n/d	n/d
April 2016	27	n/d	n/d	n/d
July 2016	640	230	1100	n/d
August 2016	78	62	430	n/d
September 2016	ns	ns	ns	ns
October 2016	120	79	400	n/d
November 2016	310	170	640	n/d
December 2016	250	120	n/d	n/d
January 2017	43	n/d	280	n/d
February 2017	44	31	300	n/d
March 2017	91	70	320	n/d
April 2017	34	n/d	250	n/d
May 2017	53	64	470	n/d
June 2017	54	n/d	300	n/d
July 2017	n/d	n/d	300	n/d
August 2017	60	47	230	n/d
September 2017	56	98	470	n/d
October 2017	69	94	400	n/d
November 2017	74	140	820	n/d
December 2017	27	n/d	n/d	n/d
January 2018	160	75	240	n/d
February 2018	180	68	300	n/d
March 2018	n/d	n/d	n/d	n/d
April 2018	22	n/d	180	n/d
May 2018	49	45	260	n/d
June 2018	43	38	310	n/d
July 2018	110	70	370	n/d
August 2018	380	n/d	330	n/d
October 2018	22	n/d	180	n/d
January 2019	21	n/d	120	n/d
April 2019	19	n/d	160	n/d
August 2019	58.9	64	239.62	n/d
October 2019	68.1	68.1	278.79	1.84
January 2020	30	26.6	97.516	1.06
April 2020	26.6	29.5	121.75	n/d
July 2020	54.1	38	169.26	0.71
September 2020	45.9	39.6	151.12	n/d
October 2020	40.9	41.5	165.46	2.9
January 2021	23.6	32.6	104.947	2.01
April 2021	13.3	14.6	96.132	n/d
July 2021	36	39.5	263.14	0.912
October 2021	31.8	24.2	103.987	n/d
January 2022	93.5	51	142.79	n/d
April 2022	25.3	31	112.36	0.31
July 2022	164	100	256.72	n/d
October 2022	246	90	220.58	2.54
April 2023	88.3	55.8	151.92	n/d
Janaury 2023	186	77.3	193.52	n/d
August 2023	380	240.0	315.20	0.28

***ns=not sampled**
***n/d=non-detect**

APPENDIX A

Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

380 Rockaway Turnpike
Cedarhurst, New York

Well ID:	MW-1
Date:	8/29/2023
Sampling Personnel:	FABRICIO YUNGA & GABRIEL GUADAMUD
Weather:	SUNNY - 90 DEGREES

WELL INFORMATION		**WELL WATER INFORMATION**	
Well Depth (ft btoc):	11.0	Length of Water Column (ft):	3.4
Water Level Depth (ft):	7.60	Volume of Water in Well (gal):	0.55
Well Diameter (in):	2"	Total Volume Purged (gal):	2
		Duration of Pumping (min):	20

EVACUATION INFORMATION

Pump On: 9:00 Pump Off: 9:20

Time: *Parameter*	9:00	9:05	9:10	9:15	9:20		
DO (mg/L)	3.4	3.2	3.3	3.6	3.5		
Temperature (°C)	13.2	13.5	13.4	13.3	13.4		
pH	6.45	6.50	6.55	6.51	6.52		
Conductivity (umho's/cm)	402	405	399	396	395		
Turbidity (NTU)	73.0	73.4	74.2	73.8	74.4		

GROUNDWATER SAMPLING LOG

380 Rockaway Turnpike
Cedarhurst, New York

Well ID:	MW-2
Date:	8/29/2023
Sampling Personnel:	FABRICIO YUNGA & GABRIEL GUADAMUD
Weather:	SUNNY - 90 DEGREES

WELL INFORMATION		**WELL WATER INFORMATION**	
Well Depth (ft btoc):	10.6	Length of Water Column (ft):	5.0
Water Level Depth (ft):	5.60	Volume of Water in Well (gal):	0.82
Well Diameter (in):	2"	Total Volume Purged (gal):	2
		Duration of Pumping (min):	20

EVACUATION INFORMATION

Pump On: 9:30 Pump Off: 9:50

Time: *Parameter*	9:30	9:35	9:40	9:45	9:50		
DO (mg/L)	3.8	3.9	4.2	4.1	3.9		
Temperature (°C)	13.6	13.9	14.2	14.3	13.9		
pH	6.90	6.88	6.99	7.01	7.04		
Conductivity (umho's/cm)	385	395	389	374	389		
Turbidity (NTU)	74.1	74.2	73.9	74.8	74.6		

GROUNDWATER SAMPLING LOG

380 Rockaway Turnpike
Cedarhurst, New York

Well ID:	MW-3
Date:	8/29/2023
Sampling Personnel:	FABRICIO YUNGA & GABRIEL GUADAMUD
Weather:	SUNNY - 90 DEGREES

WELL INFORMATION		**WELL WATER INFORMATION**	
Well Depth (ft btoc):	12.4	Length of Water Column (ft):	2.1
Water Level Depth (ft):	10.30	Volume of Water in Well (gal):	0.34
Well Diameter (in):	2"	Total Volume Purged (gal):	2
		Duration of Pumping (min):	20

EVACUATION INFORMATION

Pump On: 10:00 Pump Off: 10:20

Time: *Parameter*	10:00	10:05	10:10	10:15	10:20		
DO (mg/L)	4.2	4.1	3.9	4.1	4.2		
Temperature (°C)	14.5	14.8	14.7	15.1	14.8		
pH	6.22	6.45	6.12	6.66	6.75		
Conductivity (umho's/cm)	399	412	407	405	415		
Turbidity (NTU)	75.1	74.9	74.8	75.2	74.7		

GROUNDWATER SAMPLING LOG

380 Rockaway Turnpike
Cedarhurst, New York

Well ID:	MW-4
Date:	8/29/2023
Sampling Personnel:	FABRICIO YUNGA & GABRIEL GUADAMUD
Weather:	SUNNY - 90 DEGREES

WELL INFORMATION		**WELL WATER INFORMATION**	
Well Depth (ft btoc):	15.5	Length of Water Column (ft):	4.3
Water Level Depth (ft):	11.20	Volume of Water in Well (gal):	0.70
Well Diameter (in):	2"	Total Volume Purged (gal):	2
		Duration of Pumping (min):	20

EVACUATION INFORMATION

Pump On: 11:00 Pump Off: 11:20

Time: *Parameter*	11:00	11:05	11:10	11:15	11:20		
DO (mg/L)	4.1	3.8	4.0	3.8	3.9		
Temperature (°C)	12.8	13.4	13.2	13.4	13.1		
pH	6.87	6.89	7.05	7.01	6.87		
Conductivity (umho's/cm)	387	395	393	399	405		
Turbidity (NTU)	74.5	77.8	74.6	74.9	75.2		

APPENDIX B

Laboratory Reports

Monitoring Well Sampling Results

SSDS Effluent Sampling Results

Technical Report

prepared for:

Tyll Engineering & Consultants, PC
169 Commack Road, Suite H173
Commack NY, 11725
Attention: Karen Tyll

Report Date: 09/07/2023
Client Project ID: 380 Rockaway Turnpike Cederhurst, NY
York Project (SDG) No.: 23H2175

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 09/07/2023
Client Project ID: 380 Rockaway Turnpike Cederhurst, NY
York Project (SDG) No.: 23H2175

Tyll Engineering & Consultants, PC
169 Commack Road, Suite H173
Commack NY, 11725
Attention: Karen Tyll

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 30, 2023 and listed below. The project was identified as your project: **380 Rockaway Turnpike Cederhurst, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23H2175-01	MW-1	Ground Water	08/29/2023	08/30/2023
23H2175-02	MW-2	Ground Water	08/29/2023	08/30/2023
23H2175-03	MW-3	Ground Water	08/29/2023	08/30/2023
23H2175-04	MW-4	Ground Water	08/29/2023	08/30/2023

General Notes for York Project (SDG) No.: 23H2175

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 09/07/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **23H2175-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	**1,1-Dichloroethylene**	**4.4**	J	ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**1600**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 11:59	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	**1,3,5-Trimethylbenzene**	**290**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **23H2175-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	**Benzene**	**21**		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND	CCVE	ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	**cis-1,2-Dichloroethylene**	**2900**		ug/L	20	50	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 11:59	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	**Cyclohexane**	**36**		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**690**		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:02	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **23H2175-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	**Isopropylbenzene**	**39**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**61**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	**n-Butylbenzene**	**14**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
103-65-1	**n-Propylbenzene**	**92**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
95-47-6	**o-Xylene**	**2800**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 11:59	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**5600**		ug/L	50	100	100	EPA 8260D	09/06/2023 09:00	09/06/2023 11:59	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**8.4**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
135-98-8	**sec-Butylbenzene**	**10**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
100-42-5	**Styrene**	**71**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
75-65-0	**tert-Butyl alcohol (TBA)**	**11**	CCVE	ug/L	5.0	10	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**2800**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 11:59	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**32**		ug/L	2.0	5.0	10	EPA 8260D	09/05/2023 09:00	09/05/2023 13:02	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 23H2175-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	**Xylenes, Total**	**8400**		ug/L	60	150	100	EPA 8260D	09/06/2023 09:00	09/06/2023 11:59	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.0 %*	*79-122*

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 23H2175-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	**1,1-Dichloroethylene**	**14**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**970**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 12:26	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **23H2175-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
108-67-8	**1,3,5-Trimethylbenzene**	**230**		ug/L	20	50	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:26 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
106-46-7	**1,4-Dichlorobenzene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SMA
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
71-43-2	**Benzene**	**2.0**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SMA
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 23H2175-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	**cis-1,2-Dichloroethylene**	**2700**		ug/L	20	50	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:26	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	**Cyclohexane**	**36**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**500**		ug/L	20	50	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:26	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	**Isopropylbenzene**	**44**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-87-2	**Methylcyclohexane**	**37**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
104-51-8	**n-Butylbenzene**	**8.8**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
95-47-6	**o-Xylene**	**860**		ug/L	20	50	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:26	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	**p- & m- Xylenes**	**1600**		ug/L	50	100	100	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:26	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	**p-Isopropyltoluene**	**6.1**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
135-98-8	**sec-Butylbenzene**	**6.6**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
100-42-5	**Styrene**	**7.2**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 23H2175-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 9:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	**Tetrachloroethylene**	**0.42**	CCVE, ICVE, QL-02, J	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
108-88-3	**Toluene**	**190**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 12:26	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:29	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**410**		ug/L	20	50	100	EPA 8260D	09/06/2023 09:00	09/06/2023 12:26	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
1330-20-7	**Xylenes, Total**	**2500**		ug/L	60	150	100	EPA 8260D	09/06/2023 09:00	09/06/2023 12:26	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*76.0 %*		*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.2 %*		*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*122 %*	S-08	*79-122*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 23H2175-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **23H2175-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	**1,2,4-Trimethylbenzene**	**6.4**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	**1,3,5-Trimethylbenzene**	**0.79**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 13:56	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **23H2175-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**10**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**0.80**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.43**	J	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**1.4**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **23H2175-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:00 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	**n-Butylbenzene**	**0.69**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
103-65-1	**n-Propylbenzene**	**0.91**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
95-47-6	**o-Xylene**	**2.2**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1.7**		ug/L	0.50	1.0	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	**sec-Butylbenzene**	**0.56**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	**Vinyl Chloride**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
1330-20-7	**Xylenes, Total**	**3.9**		ug/L	0.60	1.5	1	EPA 8260D	09/05/2023 09:00	09/05/2023 13:56	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.3 %*	*79-122*

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **23H2175-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	**1,2,4-Trimethylbenzene**	**790**		ug/L	5.0	12	25	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:53	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-67-8	**1,3,5-Trimethylbenzene**	**11**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23	SMA CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **23H2175-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	**Benzene**	**0.63**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
156-59-2	**cis-1,2-Dichloroethylene**	**2.4**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-82-7	**Cyclohexane**	**50**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**270**		ug/L	5.0	12	25	EPA 8260D	09/06/2023 09:00	09/06/2023 12:53	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**35**		ug/L	0.20	0.50	1	EPA 8260D	09/05/2023 09:00	09/05/2023 14:23	SMA
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 23H2175-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SMA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
108-87-2	**Methylcyclohexane**	**38**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SMA
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
104-51-8	**n-Butylbenzene**	**7.8**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
103-65-1	**n-Propylbenzene**	**69**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
95-47-6	**o-Xylene**	**270**		ug/L	5.0	12	25	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:53 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	SMA
179601-23-1	**p- & m- Xylenes**	**1300**		ug/L	12	25	25	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:53 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	SMA
99-87-6	**p-Isopropyltoluene**	**4.8**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
135-98-8	**sec-Butylbenzene**	**6.0**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
100-42-5	**Styrene**	**7.6**		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SMA
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
108-88-3	**Toluene**	**170**		ug/L	5.0	12	25	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:53 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	SMA
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	09/05/2023 09:00	09/05/2023 14:23 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	SMA
1330-20-7	**Xylenes, Total**	**1600**		ug/L	15	38	25	EPA 8260D Certifications:	09/06/2023 09:00	09/06/2023 12:53 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	SMA

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 23H2175-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2175	380 Rockaway Turnpike Cederhurst, NY	Ground Water	August 29, 2023 10:30 am	08/30/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*64.0 %*	S-04, S-08		*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.5 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*111 %*			*79-122*						

Analytical Batch Summary

Batch ID: BI30147 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23H2175-01	MW-1	09/05/23
23H2175-02	MW-2	09/05/23
23H2175-03	MW-3	09/05/23
23H2175-04	MW-4	09/05/23
BI30147-BLK1	Blank	09/05/23
BI30147-BS1	LCS	09/05/23
BI30147-BSD1	LCS Dup	09/05/23

Batch ID: BI30226 **Preparation Method:** EPA 5030B **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
23H2175-01RE1	MW-1	09/06/23
23H2175-02RE1	MW-2	09/06/23
23H2175-04RE1	MW-4	09/06/23
BI30226-BLK1	Blank	09/06/23
BI30226-BS1	LCS	09/06/23
BI30226-BSD1	LCS Dup	09/06/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30147 - EPA 5030B											
Blank (BI30147-BLK1)									Prepared & Analyzed: 09/05/2023		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30147 - EPA 5030B											
Blank (BI30147-BLK1)								Prepared & Analyzed: 09/05/2023			
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.81*		*"*	*10.0*		*98.1*	*79-122*				
LCS (BI30147-BS1)								Prepared & Analyzed: 09/05/2023			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	9.8		"	10.0		98.0	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		111	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		99.0	54-165				
1,1,2-Trichloroethane	11		"	10.0		106	82-123				
1,1-Dichloroethane	9.6		"	10.0		95.5	82-129				
1,1-Dichloroethylene	10		"	10.0		100	68-138				
1,2,3-Trichlorobenzene	12		"	10.0		120	40-130				
1,2,3-Trichloropropane	10		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	12		"	10.0		116	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		114	45-147				
1,2-Dibromoethane	11		"	10.0		110	83-124				
1,2-Dichlorobenzene	10		"	10.0		104	79-123				
1,2-Dichloroethane	11		"	10.0		106	73-132				
1,2-Dichloropropane	11		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	9.8		"	10.0		97.6	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-130				
1,4-Dichlorobenzene	9.9		"	10.0		99.4	85-130				
1,4-Dioxane	340		"	210		164	10-349				
2-Butanone	9.6		"	10.0		96.1	49-152				
2-Hexanone	10		"	10.0		102	51-146				
4-Methyl-2-pentanone	8.8		"	10.0		88.0	57-145				
Acetone	22		"	10.0		222	14-150	High Bias			
Acrolein	13		"	10.0		134	10-153				
Acrylonitrile	9.4		"	10.0		93.5	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30147 - EPA 5030B											
LCS (BI30147-BS1)								Prepared & Analyzed: 09/05/2023			
Benzene	10		ug/L	10.0		101	85-126				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	11		"	10.0		106	79-128				
Bromoform	12		"	10.0		116	78-133				
Bromomethane	7.6		"	10.0		76.3	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	9.8		"	10.0		98.4	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	9.5		"	10.0		95.4	65-136				
Chloroform	10		"	10.0		101	82-128				
Chloromethane	9.9		"	10.0		98.6	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		105	80-131				
Cyclohexane	11		"	10.0		112	63-149				
Dibromochloromethane	11		"	10.0		110	80-130				
Dibromomethane	10		"	10.0		105	72-134				
Dichlorodifluoromethane	8.7		"	10.0		86.7	44-144				
Ethyl Benzene	10		"	10.0		101	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	9.7		"	10.0		96.8	76-140				
Methyl acetate	11		"	10.0		109	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		112	76-135				
Methylcyclohexane	10		"	10.0		100	72-143				
Methylene chloride	9.2		"	10.0		91.6	55-137				
n-Butylbenzene	11		"	10.0		106	79-132				
n-Propylbenzene	9.8		"	10.0		98.4	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	10		"	10.0		102	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	11		"	10.0		107	67-132				
tert-Butyl alcohol (TBA)	29		"	50.0		58.6	25-162				
tert-Butylbenzene	9.5		"	10.0		95.2	77-138				
Tetrachloroethylene	5.9		"	10.0		59.3	82-131	Low Bias			
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	9.9		"	10.0		98.6	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		110	78-131				
trans-1,4-dichloro-2-butene	12		"	10.0		124	63-141				
Trichloroethylene	9.6		"	10.0		95.8	82-128				
Trichlorofluoromethane	9.5		"	10.0		95.0	67-139				
Vinyl Chloride	9.4		"	10.0		94.5	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.59*		*"*	*10.0*		*95.9*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30147 - EPA 5030B											
LCS Dup (BI30147-BSD1)								Prepared & Analyzed: 09/05/2023			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		105	82-126		0.855	30	
1,1,1-Trichloroethane	9.6		"	10.0		95.8	78-136		2.27	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		114	76-129		3.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.8		"	10.0		97.8	54-165		1.22	30	
1,1,2-Trichloroethane	11		"	10.0		106	82-123		0.188	30	
1,1-Dichloroethane	9.3		"	10.0		93.4	82-129		2.22	30	
1,1-Dichloroethylene	9.5		"	10.0		94.9	68-138		5.53	30	
1,2,3-Trichlorobenzene	13		"	10.0		128	40-130		6.27	30	
1,2,3-Trichloropropane	11		"	10.0		105	77-128		0.762	30	
1,2,4-Trichlorobenzene	12		"	10.0		116	65-137		0.0863	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.2	82-132		2.81	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		113	45-147		0.970	30	
1,2-Dibromoethane	11		"	10.0		111	83-124		0.995	30	
1,2-Dichlorobenzene	10		"	10.0		104	79-123		0.481	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		0.284	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		2.06	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		95.5	80-131		2.18	30	
1,3-Dichlorobenzene	10		"	10.0		99.9	86-130		1.10	30	
1,4-Dichlorobenzene	10		"	10.0		99.6	85-130		0.201	30	
1,4-Dioxane	410		"	210		194	10-349		16.7	30	
2-Butanone	10		"	10.0		102	49-152		6.15	30	
2-Hexanone	9.9		"	10.0		99.3	51-146		2.58	30	
4-Methyl-2-pentanone	9.2		"	10.0		92.4	57-145		4.88	30	
Acetone	20		"	10.0		202	14-150	High Bias	9.34	30	
Acrolein	16		"	10.0		157	10-153	High Bias	15.8	30	
Acrylonitrile	9.4		"	10.0		94.5	51-150		1.06	30	
Benzene	9.8		"	10.0		98.4	85-126		2.61	30	
Bromochloromethane	10		"	10.0		104	77-128		1.52	30	
Bromodichloromethane	11		"	10.0		106	79-128		0.0944	30	
Bromoform	11		"	10.0		114	78-133		2.09	30	
Bromomethane	7.9		"	10.0		79.2	43-168		3.73	30	
Carbon disulfide	10		"	10.0		101	68-146		2.44	30	
Carbon tetrachloride	9.7		"	10.0		96.8	77-141		1.64	30	
Chlorobenzene	10		"	10.0		104	88-120		2.64	30	
Chloroethane	9.6		"	10.0		95.6	65-136		0.209	30	
Chloroform	9.9		"	10.0		98.7	82-128		2.01	30	
Chloromethane	9.4		"	10.0		93.7	43-155		5.10	30	
cis-1,2-Dichloroethylene	9.9		"	10.0		98.9	83-129		1.31	30	
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131		0.568	30	
Cyclohexane	11		"	10.0		108	63-149		3.63	30	
Dibromochloromethane	11		"	10.0		111	80-130		0.723	30	
Dibromomethane	10		"	10.0		105	72-134		0.0955	30	
Dichlorodifluoromethane	8.2		"	10.0		82.5	44-144		4.96	30	
Ethyl Benzene	9.8		"	10.0		98.4	80-131		2.51	30	
Hexachlorobutadiene	10		"	10.0		105	67-146		1.51	30	
Isopropylbenzene	9.4		"	10.0		93.5	76-140		3.47	30	
Methyl acetate	11		"	10.0		112	51-139		2.99	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135		1.24	30	
Methylcyclohexane	9.8		"	10.0		97.9	72-143		2.42	30	
Methylene chloride	9.0		"	10.0		89.9	55-137		1.87	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30147 - EPA 5030B											
LCS Dup (BI30147-BSD1)								Prepared & Analyzed: 09/05/2023			
n-Butylbenzene	10		ug/L	10.0		102	79-132		3.17	30	
n-Propylbenzene	9.5		"	10.0		94.8	78-133		3.73	30	
o-Xylene	10		"	10.0		101	78-130		1.47	30	
p- & m- Xylenes	20		"	20.0		102	77-133		0.874	30	
p-Isopropyltoluene	10		"	10.0		99.7	81-136		2.18	30	
sec-Butylbenzene	9.9		"	10.0		98.7	79-137		2.70	30	
Styrene	11		"	10.0		107	67-132		0.280	30	
tert-Butyl alcohol (TBA)	74		"	50.0		148	25-162		86.5	30	Non-dir.
tert-Butylbenzene	9.3		"	10.0		92.6	77-138		2.77	30	
Tetrachloroethylene	5.8		"	10.0		57.5	82-131	Low Bias	3.08	30	
Toluene	9.9		"	10.0		99.2	80-127		0.803	30	
trans-1,2-Dichloroethylene	9.5		"	10.0		94.6	80-132		4.14	30	
trans-1,3-Dichloropropylene	11		"	10.0		110	78-131		0.546	30	
trans-1,4-dichloro-2-butene	12		"	10.0		122	63-141		1.14	30	
Trichloroethylene	9.5		"	10.0		95.4	82-128		0.418	30	
Trichlorofluoromethane	9.4		"	10.0		93.6	67-139		1.48	30	
Vinyl Chloride	9.2		"	10.0		92.5	58-145		2.14	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.43*		*"*	*10.0*		*94.3*	*79-122*				
Batch BI30226 - EPA 5030B											
Blank (BI30226-BLK1)								Prepared & Analyzed: 09/06/2023			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30226 - EPA 5030B											
Blank (BI30226-BLK1)											
Prepared & Analyzed: 09/06/2023											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.47*		*"*	*10.0*		*94.7*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30226 - EPA 5030B											
LCS (BI30226-BS1)							Prepared & Analyzed: 09/06/2023				
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		96.6	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		99.1	54-165				
1,1,2-Trichloroethane	10		"	10.0		103	82-123				
1,1-Dichloroethane	9.5		"	10.0		94.6	82-129				
1,1-Dichloroethylene	9.6		"	10.0		96.3	68-138				
1,2,3-Trichlorobenzene	13		"	10.0		127	40-130				
1,2,3-Trichloropropane	9.9		"	10.0		99.2	77-128				
1,2,4-Trichlorobenzene	12		"	10.0		117	65-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		99.4	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		108	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	10		"	10.0		101	73-132				
1,2-Dichloropropane	11		"	10.0		105	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		96.3	80-131				
1,3-Dichlorobenzene	10		"	10.0		100	86-130				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-130				
1,4-Dioxane	150		"	210		72.4	10-349				
2-Butanone	4.6		"	10.0		46.4	49-152	Low Bias			
2-Hexanone	9.4		"	10.0		94.1	51-146				
4-Methyl-2-pentanone	8.5		"	10.0		84.9	57-145				
Acetone	18		"	10.0		183	14-150	High Bias			
Acrolein	12		"	10.0		124	10-153				
Acrylonitrile	11		"	10.0		106	51-150				
Benzene	9.9		"	10.0		98.6	85-126				
Bromochloromethane	10		"	10.0		103	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				
Bromoform	11		"	10.0		110	78-133				
Bromomethane	4.8		"	10.0		47.9	43-168				
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	9.7		"	10.0		97.0	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	9.7		"	10.0		97.0	65-136				
Chloroform	9.9		"	10.0		99.2	82-128				
Chloromethane	8.7		"	10.0		87.3	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		99.6	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		103	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	11		"	10.0		106	80-130				
Dibromomethane	10		"	10.0		102	72-134				
Dichlorodifluoromethane	8.9		"	10.0		88.8	44-144				
Ethyl Benzene	10		"	10.0		99.5	80-131				
Hexachlorobutadiene	11		"	10.0		110	67-146				
Isopropylbenzene	9.6		"	10.0		96.3	76-140				
Methyl acetate	10		"	10.0		105	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	9.9		"	10.0		99.2	72-143				
Methylene chloride	8.8		"	10.0		88.1	55-137				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30226 - EPA 5030B											
LCS (BI30226-BS1)							Prepared & Analyzed: 09/06/2023				
n-Butylbenzene	10		ug/L	10.0		103	79-132				
n-Propylbenzene	9.7		"	10.0		97.1	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
p-Isopropyltoluene	10		"	10.0		101	81-136				
sec-Butylbenzene	10		"	10.0		99.6	79-137				
Styrene	11		"	10.0		107	67-132				
tert-Butyl alcohol (TBA)	74		"	50.0		148	25-162				
tert-Butylbenzene	9.4		"	10.0		94.1	77-138				
Tetrachloroethylene	6.0		"	10.0		59.5	82-131	Low Bias			
Toluene	10		"	10.0		100	80-127				
trans-1,2-Dichloroethylene	9.7		"	10.0		96.7	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		107	78-131				
trans-1,4-dichloro-2-butene	12		"	10.0		118	63-141				
Trichloroethylene	9.9		"	10.0		98.6	82-128				
Trichlorofluoromethane	9.4		"	10.0		94.4	67-139				
Vinyl Chloride	9.1		"	10.0		90.7	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.96*		*"*	*10.0*		*99.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.57*		*"*	*10.0*		*95.7*	*79-122*				
LCS Dup (BI30226-BSD1)							Prepared & Analyzed: 09/06/2023				
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		105	82-126		2.69	30	
1,1,1-Trichloroethane	9.5		"	10.0		95.2	78-136		1.46	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		110	76-129		1.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0		99.4	54-165		0.302	30	
1,1,2-Trichloroethane	11		"	10.0		110	82-123		6.96	30	
1,1-Dichloroethane	9.3		"	10.0		93.3	82-129		1.38	30	
1,1-Dichloroethylene	9.5		"	10.0		95.1	68-138		1.25	30	
1,2,3-Trichlorobenzene	14		"	10.0		140	40-130	High Bias	9.75	30	
1,2,3-Trichloropropane	10		"	10.0		101	77-128		1.70	30	
1,2,4-Trichlorobenzene	12		"	10.0		119	65-137		1.44	30	
1,2,4-Trimethylbenzene	9.7		"	10.0		96.8	82-132		2.65	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		122	45-147		11.7	30	
1,2-Dibromoethane	11		"	10.0		110	83-124		3.89	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		0.195	30	
1,2-Dichloroethane	11		"	10.0		105	73-132		4.07	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		0.568	30	
1,3,5-Trimethylbenzene	9.3		"	10.0		92.9	80-131		3.59	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.0	86-130		2.52	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.7	85-130		1.22	30	
1,4-Dioxane	380		"	210		180	10-349		85.3	30	Non-dir.
2-Butanone	10		"	10.0		105	49-152		77.4	30	Non-dir.
2-Hexanone	10		"	10.0		103	51-146		8.93	30	
4-Methyl-2-pentanone	9.2		"	10.0		91.6	57-145		7.59	30	
Acetone	20		"	10.0		199	14-150	High Bias	8.33	30	
Acrolein	13		"	10.0		131	10-153		5.50	30	
Acrylonitrile	11		"	10.0		113	51-150		6.30	30	
Benzene	9.9		"	10.0		98.9	85-126		0.304	30	
Bromochloromethane	10		"	10.0		103	77-128		0.194	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI30226 - EPA 5030B											
LCS Dup (BI30226-BSD1)								Prepared & Analyzed: 09/06/2023			
Bromodichloromethane	10		ug/L	10.0		103	79-128		0.580	30	
Bromoform	12		"	10.0		116	78-133		5.49	30	
Bromomethane	6.0		"	10.0		60.2	43-168		22.8	30	
Carbon disulfide	9.9		"	10.0		99.4	68-146		2.97	30	
Carbon tetrachloride	9.5		"	10.0		95.4	77-141		1.66	30	
Chlorobenzene	10		"	10.0		104	88-120		2.75	30	
Chloroethane	9.6		"	10.0		96.5	65-136		0.517	30	
Chloroform	9.8		"	10.0		97.8	82-128		1.42	30	
Chloromethane	8.2		"	10.0		82.3	43-155		5.90	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.7	83-129		1.93	30	
cis-1,3-Dichloropropylene	10		"	10.0		105	80-131		1.44	30	
Cyclohexane	11		"	10.0		109	63-149		0.736	30	
Dibromochloromethane	11		"	10.0		108	80-130		2.80	30	
Dibromomethane	10		"	10.0		104	72-134		2.53	30	
Dichlorodifluoromethane	8.6		"	10.0		85.9	44-144		3.32	30	
Ethyl Benzene	9.8		"	10.0		97.9	80-131		1.62	30	
Hexachlorobutadiene	11		"	10.0		105	67-146		4.18	30	
Isopropylbenzene	9.2		"	10.0		92.3	76-140		4.24	30	
Methyl acetate	11		"	10.0		112	51-139		6.54	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135		7.35	30	
Methylcyclohexane	9.7		"	10.0		97.0	72-143		2.24	30	
Methylene chloride	8.8		"	10.0		88.2	55-137		0.113	30	
n-Butylbenzene	9.9		"	10.0		98.9	79-132		3.87	30	
n-Propylbenzene	9.4		"	10.0		93.6	78-133		3.67	30	
o-Xylene	10		"	10.0		100	78-130		1.38	30	
p- & m- Xylenes	20		"	20.0		100	77-133		2.36	30	
p-Isopropyltoluene	9.7		"	10.0		96.7	81-136		4.05	30	
sec-Butylbenzene	9.6		"	10.0		95.5	79-137		4.20	30	
Styrene	11		"	10.0		107	67-132		0.467	30	
tert-Butyl alcohol (TBA)	80		"	50.0		159	25-162		7.00	30	
tert-Butylbenzene	9.1		"	10.0		90.9	77-138		3.46	30	
Tetrachloroethylene	5.8		"	10.0		57.6	82-131	Low Bias	3.25	30	
Toluene	9.8		"	10.0		98.1	80-127		2.12	30	
trans-1,2-Dichloroethylene	9.6		"	10.0		95.9	80-132		0.831	30	
trans-1,3-Dichloropropylene	11		"	10.0		108	78-131		1.21	30	
trans-1,4-dichloro-2-butene	12		"	10.0		120	63-141		1.51	30	
Trichloroethylene	9.5		"	10.0		95.2	82-128		3.51	30	
Trichlorofluoromethane	9.4		"	10.0		93.5	67-139		0.958	30	
Vinyl Chloride	8.9		"	10.0		88.8	58-145		2.12	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.42*		*"*	*10.0*		*94.2*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23H2175-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23H2175-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23H2175-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23H2175-04	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23H2175

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company:	Company: Tyll Engineering and Consulting, PC	Company: Tyll Engineering and Consulting, PC		RUSH - Next Day
Address:	Address: 169 Commack Road Suite H173 Commack, NY 11725	Address: 169 Commack Road Suite H173 Commack, NY 11725		RUSH - Two Day
Phone.:	Phone.: 6316646477	Phone.: 6316646477	YOUR Project Name: 380 Rockaway Turnpike Cedarhurst, NY	RUSH - Three Day
Contact:	Contact: Karen Tyll	Contact: Karen Tyll		RUSH - Four Day
E-mail:	E-mail: karen@tyllengineering.com	E-mail: karen@tyllengineering.com	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Carlos Quiñonez

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other: NYSDEC Comparison

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-1	GW	8-29-23 9:00	VOCs	2-40ML
MW-2	GW	8-29-23 9:30		
MW-3	GW	8-29-23 10:00		
MW-4	GW	8-29-23 10:30		
Effluent SSDS Pipe	Air	8-29-23 11:30	TO-15	6L-Canister

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Carlos Quiñonez	8/29/23 2pm	York	8/29/23 10:30	York	8/30/23 11:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
RBarbagallo	8/30/23 1130 AM	RBarbagallo	8/30/23 18:10		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				VR	8/30/23 18:10 Degrees C

Technical Report

prepared for:

Tyll Engineering & Consultants, PC
169 Commack Road, Suite H173
Commack NY, 11725
Attention: Karen Tyll

Report Date: 09/08/2023
Client Project ID: 380 Rockaway Turnpike Cederhurst, NY
York Project (SDG) No.: 23H2166

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 09/08/2023
Client Project ID: 380 Rockaway Turnpike Cederhurst, NY
York Project (SDG) No.: 23H2166

Tyll Engineering & Consultants, PC
169 Commack Road, Suite H173
Commack NY, 11725
Attention: Karen Tyll

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 30, 2023 and listed below. The project was identified as your project: **380 Rockaway Turnpike Cederhurst, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23H2166-01	Effluent SSDS Pipe	Air	08/29/2023	08/30/2023

General Notes for York Project (SDG) No.: 23H2166

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher **Date:** 09/08/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **Effluent SSDS Pipe** **York Sample ID:** **23H2166-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2166	380 Rockaway Turnpike Cederhurst, NY	Air	August 29, 2023 11:30 am	08/30/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.93	1.359	EPA TO-15 Certifications:	09/05/2023 12:00	09/05/2023 19:31	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.74	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.93	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.74	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.55	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
75-35-4	**1,1-Dichloroethylene**	**0.54**		ug/m³	0.13	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
120-82-1	**1,2,4-Trichlorobenzene**	**1.8**		ug/m³	1.0	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
95-63-6	**1,2,4-Trimethylbenzene**	**0.87**		ug/m³	0.67	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.0	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.82	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.55	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.63	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.95	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.67	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
106-99-0	1,3-Butadiene	ND		ug/m³	0.90	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.82	1.359	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2023 12:00	09/05/2023 19:31	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.63	1.359	EPA TO-15 Certifications:	09/05/2023 12:00	09/05/2023 19:31	YR

Sample Information

Client Sample ID: **Effluent SSDS Pipe** **York Sample ID:** **23H2166-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2166	380 Rockaway Turnpike Cederhurst, NY	Air	August 29, 2023 11:30 am	08/30/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.82	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
123-91-1	1,4-Dioxane	ND		ug/m³	0.98	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
78-93-3	**2-Butanone**	**2.4**		ug/m³	0.40	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.359	EPA TO-15 Certifications:	09/05/2023 12:00	09/05/2023 19:31	YR
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.56	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
67-64-1	**Acetone**	**28**		ug/m³	0.65	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
107-13-1	Acrylonitrile	ND		ug/m³	0.29	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
71-43-2	Benzene	ND		ug/m³	0.43	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
100-44-7	Benzyl chloride	ND		ug/m³	0.70	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
75-27-4	Bromodichloromethane	ND		ug/m³	0.91	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
75-25-2	Bromoform	ND		ug/m³	1.4	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
74-83-9	Bromomethane	ND	TO-CCV	ug/m³	0.53	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
75-15-0	**Carbon disulfide**	**0.55**		ug/m³	0.42	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.21	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
108-90-7	Chlorobenzene	ND		ug/m³	0.63	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
75-00-3	Chloroethane	ND	TO-CCV	ug/m³	0.36	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
67-66-3	**Chloroform**	**3.5**		ug/m³	0.66	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR
74-87-3	**Chloromethane**	**1.2**	TO-CCV, TO-LCS-H	ug/m³	0.28	1.359	EPA TO-15 Certifications:	09/05/2023 12:00 NELAC-NY12058,NJDEP-Queens	09/05/2023 19:31	YR

Sample Information

Client Sample ID: **Effluent SSDS Pipe** **York Sample ID:** **23H2166-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2166	380 Rockaway Turnpike Cederhurst, NY	Air	August 29, 2023 11:30 am	08/30/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**310**		ug/m³	0.27	2.718	EPA TO-15	09/05/2023 12:00	09/07/2023 17:35	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.62	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	Cyclohexane	ND		ug/m³	0.47	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**3.4**		ug/m³	0.67	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	0.98	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.59	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.4	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**41**		ug/m³	0.67	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.56	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.49	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	0.94	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	0.56	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	0.48	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**0.65**		ug/m³	0.59	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**1.4**		ug/m³	1.2	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.67	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.23	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.58	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **Effluent SSDS Pipe** **York Sample ID:** **23H2166-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23H2166	380 Rockaway Turnpike Cederhurst, NY	Air	August 29, 2023 11:30 am	08/30/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	**Tetrachloroethylene**	**380**		ug/m³	0.92	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.80	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications:			
108-88-3	**Toluene**	**1.4**		ug/m³	0.51	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	**trans-1,2-Dichloroethylene**	**5.2**		ug/m³	0.54	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.62	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**240**		ug/m³	0.18	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.6**		ug/m³	0.76	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.48	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.59	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	**Vinyl Chloride**	**0.28**	TO-LC S-H	ug/m³	0.17	1.359	EPA TO-15	09/05/2023 12:00	09/05/2023 19:31	YR
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23H2166

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company:	Company: Tyll Engineering and Consulting, PC	Company: Tyll Engineering and Consulting, PC		RUSH - Next Day
Address:	Address: 169 Commack Road Suite H173 Commack, NY 11725	Address: 169 Commack Road Suite H173 Commack, NY 11725		RUSH - Two Day
Phone.:	Phone.: 6316646477	Phone.: 6316646477	YOUR Project Name: 380 Rockaway Turnpike Cedarhurst, NY	RUSH - Three Day
Contact:	Contact: Karen Tyll	Contact: Karen Tyll		RUSH - Four Day
E-mail:	E-mail: karen@tyllengineering.com	E-mail: karen@tyllengineering.com	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Carlos Quiñonez

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other: NYSDEC Comparison

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-1	GW	8-29-23 9:00	VOCs	2-40ML
MW-2	GW	8-29-23 9:30		
MW-3	GW	8-29-23 10:00		
MW-4	GW	8-29-23 10:30		
Effluent SSDS Pipe	Air	8-29-23 11:30	TO-15	6L-Canister

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Carlos Quiñonez	8/29/23 2pm	[illegible] / York	8/29/23 16:30	[illegible] / York	8/30/23 11:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
RBarkyork	8/30/23 1130 AM	RBarkyork	8/30/23 1810		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
				CH 8/30/23 1810	Degrees C

APPENDIX C

Monthly Reports

from

3rd Quarter 2023

TYLL ENGINEERING & CONSULTING PC

August 9, 2023

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

Re: Monthly Progress Report for July 2023
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

Dear Ms. Lozewski

The following is the July 2023 Monthly Progress Report (MPR) of activities for the former Quick and Clean Cleaners Site located at 380 Rockaway Turnpike in Cedarhurst, NY. The MPR was prepared to describe the activities conducted during July 2023. See below.

Actions taken during the reporting period are as follows:

- On July 3rd, 2023, I met Contractor, PG Environmental, at the Site to see the Site and speak to the Building Manager.
- On July 28th, PG Environmental visited the Site and completed their first inspection of the Site SSDS. They documented their inspection on the attached form. A photo of the SSDS Stack is attached. An effluent air sample was not collected during this visit.

Sincerely,
TYLL ENGINEERING AND CONSULTING, PC

Karen Tyll, PE
President

cc.: Sam Aranbeyev, Owner
Jim DeMartinis, Seacliff Environmental
Jacquelyn Nealon (NYSDOH)
Charlotte Bethoney (NYSDOH)

Sub Slab Depressurization System (SSDS) Monthly Inspection Form
380 Rockaway Turnpike, Cedarhurst, NY
Former Quick & Clean – DEC Site #130198

This system protects public safety and must be operating properly to ensure the safety of occupants of the building.
If you identify any problems with this system, contact the SSDS team at Tyll Engineering at 631-629-5373

Question	No	Yes	Directions	Comments
Any evidence of tampering, vandalism or damage to the SSDS or Exhaust Stack?	X		If "Yes," call number above.	
Inspection of all electrical system components (SSDS Fan connections secure and guide wires still intact)?		X	If "No " call number above.	
Any alarm conditions (sound, alarm light) observed at the control panel?	X		If "Yes," call number above.	
Please Take a photos of the exhaust stack from Roof and attach to this form				Photos send to Tyll Engineering

SSDS Part	FPM/VAC	PID (ppm)
North Leg	VAC – 2.1	N/A
South Leg	VAC – 2.0	N/A
Effluent	FPM – 116	0.3

Weather: Sunny

Date/Time of Inspection: 7/28/2023 10 AM

Printed Name of Person Performing Inspection: Victor Bautista & Carlos Quinones

Signature of Person Performing Inspection: _____

TYLL ENGINEERING & CONSULTING PC

September 8, 2023

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

Re: Monthly Progress Report for August 2023
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

Dear Ms. Lozewski

The following is the August 2023 Monthly Progress Report (MPR) of activities for the former Quick and Clean Cleaners Site located at 380 Rockaway Turnpike in Cedarhurst, NY. The MPR was prepared to describe the activities conducted during August 2023. See below.

Actions taken during the reporting period are as follows:

- On August 29, 2023, PG Environmental visited the Site and completed their first Quarterly inspection along with the monthly inspection of the Site SSDS. They documented their inspection on the attached form. A photo of the SSDS Stack is attached.
- They collected an effluent air sample from the SSDS and a groundwater sample from each of the four (4) groundwater monitoring wells on-site. The results of the analysis completed on the SSDS effluent and Groundwater monitoring wells will be presented in the 2023 3rd Quarter report.

Sincerely,
TYLL ENGINEERING AND CONSULTING, PC

Karen Tyll, PE
President

cc.: Sam Aranbeyev, Owner
Jim DeMartinis, Seacliff Environmental
Jacquelyn Nealon (NYSDOH)
Charlotte Bethoney (NYSDOH)

Sub Slab Depressurization System (SSDS) Monthly Inspection Form
380 Rockaway Turnpike, Cedarhurst, NY
Former Quick & Clean – DEC Site #130198

This system protects public safety and must be operating properly to ensure the safety of occupants of the building.
If you identify any problems with this system, contact the SSDS team at Tyll Engineering at 631-629-5373

Question	No	Yes	Directions	Comments
Any evidence of tampering, vandalism or damage to the SSDS or Exhaust Stack?	X		If "Yes", call number above.	
Inspection of all electrical system components (SSDS Fan connections secure and guide wires still intact)?		X	If "No", call number above.	
Any alarm conditions observed at the control panel?	X		If "Yes", call number above.	
Please Take a photos of the exhaust stack from Roof and attach to this form				

SSDS Part	FPM/VAC	PID (ppm)
North Leg		0.0
South Leg		0.0
Effluent	5.596 m/s	0.0

Weather: sunny

Printed Name of Person Performing Inspection: fabricio yunga

Date/Time of Inspection: 8/29/2023 12pm

Signature of Person Performing Inspection: fabricio yunga

TYLL ENGINEERING & CONSULTING PC

October 6, 2023

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

Re: Monthly Progress Report for September 2023
Former Quick and Clean Cleaners
380 Rockaway Turnpike Cedarhurst, NY
Site No.: 130198

Dear Ms. Lozewski

The following is the September 2023 Monthly Progress Report (MPR) of activities for the former Quick and Clean Cleaners Site located at 380 Rockaway Turnpike in Cedarhurst, NY. The MPR was prepared to describe the activities conducted during September 2023. See below.

Actions taken during the reporting period are as follows:

- On September 28th, PG Environmental visited the Site and completed the monthly inspection of the Site SSDS. They documented their inspection on the attached form. A photo of the SSDS Stack is attached.

Sincerely,
TYLL ENGINEERING AND CONSULTING, PC

Karen Tyll, PE
President

cc.: Sam Aranbeyev, Owner
Jim DeMartinis, Seacliff Environmental
Jacquelyn Nealon (NYSDOH)
Charlotte Bethoney (NYSDOH)

Sub Slab Depressurization System (SSDS) Monthly Inspection Form
380 Rockaway Turnpike, Cedarhurst, NY
Former Quick & Clean – DEC Site #130198

This system protects public safety and must be operating properly to ensure the safety of occupants of the building.
If you identify any problems with this system, contact the SSDS team at Tyll Engineering at 631-629-5373

Question	No	Yes	Directions	Comments
Any evidence of tampering, vandalism or damage to the SSDS or Exhaust Stack?	X		If "Yes", call number above.	
Inspection of all electrical system components (SSDS Fan connections secure and guide wires still intact)?		X	If "No", call number above.	
Any alarm conditions observed at the control panel?	X		If "Yes", call number above.	
Please Take a photos of the exhaust stack from Roof and attach to this form				

SSDS Part	FPM/VAC	PID (ppm)
North Leg	6.995	0.0
South Leg	6.541	0.0
Effluent	m/s 2.773	0.0

Weather: sunny

Printed Name of Person Performing Inspection: Victor Barrata

Date/Time of Inspection: 9/27/2023

Signature of Person Performing Inspection: Victor Barrata

APPENDIX D

Quarterly Field Sampling Record

SSDS Effluent

QUARTERLY FIELD SAMPLING RECORD
SSDS EFFLUENT

Date: 8/29/2023

Project: Former Quick and Clean

Site Location: 380 Rockaway Turnpike, Cedarhurst, NY

Sample ID: EFFLUENT

Sampler: Fabricio

Location: vent of blower

Height: 3 feet above roof

Canister ID:

Canister Volume: 6 liter

Flow Controller ID: n/a

Flow Controller Setting: GRAB

Sample Type (sub-slab, soil gas, amb, indoor): SSDS Effluent

READING	DATE	TIME	VACUUM
Initial Canister Vacuum	8/29/23	12PM	
Final Canister Vacuum	8/29/23	12:00:30 PI	

Weather or Ambient Conditions: SUNNY 90 DEGREES

PID at Location: 0.0

Comments: