

October 12, 2020

Ms. Kerry Maloney, P.G.
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: Kerry.maloney@dec.ny.gov

Re: Progress Report: September 2020
Frost Street Sites: Site ID#s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Ms. Maloney:

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID#s 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in September 2020 for the onsite air sparge/soil vapor extraction (AS/SVE) and groundwater extraction systems.

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A).
 - The AS portion of the system remains off as the Hydrovane compressor requires repair. The part required to complete this repair is on order; repairs will be made once the part arrives.
 - The replacement blower for SVE Blower #1 was delivered in late September and will be installed in October.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on September 23, 2020, using Summa canisters. These samples were obtained by EnviroTrac, submitted to Phoenix Environmental Laboratories, and analyzed by Method TO-15. Results are included in Appendix B.
 - Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [996.4 µg/m³]) continue to indicate mass extraction but at a lower rate, which is expected considering the AS portion of the system is off.

- Effluent concentrations are below the carbon exchange indicator concentrations, as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	September 2020 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	30.5
Tetrachloroethene	1,000	38,000	121
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	420

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

µg/m³ micrograms per cubic meter

- 1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List
- 2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.
- 3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for EX-1A which has been running at one-third the design flow rate—approximately 11 gpm—since August 4 due to a power outage from Hurricane Isaias. This pump was replaced on September 29 and has since resumed full operation.

Quarterly samples were collected from each extraction well on September 29 and analyzed for VOCs; a summary of the detected values is provided below. This data continues to indicate significant mass extraction. Full results for these events are provided in Appendix C; historical data is graphed in Appendix D.

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	EX-1A	EX-1B	EX-1C	EX-1D
1,1-Dichloroethane	ND	ND	ND	0.29
1,1-Dichloroethene	ND	ND	0.29	2.1
Carbon Tetrachloride	ND	ND	ND	0.8
Chloroform	ND	ND	ND	0.72
cis-1,2-Dichloroethene	2.7	10	0.92	4.1
Tetrachloroethene	48	310	50	94
Trichloroethene	4.2	15	3.9	23
Total VOCs	54.9	335	55.11	125.01

EnSafe collected and prepared the additional information requested by NYSDEC on February 21, 2019, (additional pressure transducer data and groundwater elevation maps) to facilitate review and comment on the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018. This information was transmitted to NYSDEC on March 22, 2019.

Groundwater Monitoring

The third quarter 2020 groundwater sampling event was completed the week of September 21; results will be submitted in a forthcoming report, once available.

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or astark@ensafe.com.

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
	C. Bethoney, NYSDOH	<i>Via email to charlotte.bethoney@health.ny.gov</i>
	J. Nealon, NYSDOH	<i>Via email to jacquelyn.nealon@health.ny.gov</i>
	R. Putnam, NCDOH	<i>Via email to rputnam@nassaucountyny.gov</i>
	J. Vasquez, U.S. EPA	<i>Via email to vazquez.julio@epa.gov</i>
	T. Pupilla, Sanders Equities	<i>Via email to tpupilla@sandersequities.com</i>
	K. Maldonado, Esq.	<i>Via email to kevinmaldonado64@yahoo.com</i>
	J. Privitera, Esq.	<i>Via email to privitera@mltw.com</i>
	P. Coop, EnSafe	<i>Via email to pcoop@ensafe.com</i>
	J. Wilkinson, Envirotrac	<i>Via email to jamesw@envirotrac.com</i>

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet
Ensae-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 23-Sep
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 8:45
Departure Time: 9:30

System Status									
	Arrival	Departure		Arrival	Departure				
SVE Blower 1 (ON/OFF)	OFF	OFF	Sensaphone (ON/OFF)	ON	ON				
SVE Blower 2 (ON/OFF)	ON	ON	Surge Protection (ON/OFF)	ON	ON				
AS Compressor 1 (ON/OFF)	OFF	OFF	Lightning Protection (White/Black)	White	White				
AS Compressor 2 (ON/OFF)	OFF	OFF							
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500	884	Blower 1 Total Runtime (hrs)	59,459.0					
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	59,094.2					
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0					
Moisture Separator Vacuum ("Hg)	3		Blower 2 Air Filter Differential Pressure ("H2O)	0					
VGAC-1 Influent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	2.1					
VGAC-1 Effluent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	0.0					
VGAC-2 Influent Vacuum ("H2O)	55		VGAC-2 Influent PID (ppm)	2.1					
VGAC-2 Effluent Vacuum ("H2O)	65		VGAC-2 Effluent PID (ppm)	0.0					
VGAC-3 Influent Vacuum ("H2O)	70		VGAC-3 Influent PID (ppm)	0.0					
VGAC-3 Effluent Vacuum ("H2O)	74		VGAC-3 Effluent PID (ppm)	0.0					
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0					
Blower Effluent Pressure ("H2O)	10								
Transfer Pump Total Runtime (hrs)	25,041.0		Condensate Storage Tank Level (gal)	100					
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	2.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87	1.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	43	4000	87	2.4	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	34	2800	61	2.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4600	100	1.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	32	6000	131	3.4
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	32	4100	89	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	34	2900	63	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs			Compressor 2 Pressure (psi)					
Compressor 1 Temperature (degF)	Off for repairs			Compressor 2 Temperature (degF)					
Compressor 1 Runtime (hrs)	27,317			Compressor 2 Runtime (hrs)	39,288				
Manifold Regulator Pressure (psi)									
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)			AS-11 (psi)/(cfm)						
AS-2 (psi)/(cfm)			AS-12B (psi)/(cfm)						
AS-3 (psi)/(cfm)			AS-13B (psi)/(cfm)						
AS-4 (psi)/(cfm)			AS-14 (psi)/(cfm)						
AS-5 (psi)/(cfm)			AS-15 (psi)/(cfm)						
AS-6 (psi)/(cfm)			AS-16B (psi)/(cfm)						
AS-7 (psi)/(cfm)			AS-17 (psi)/(cfm)						
AS-8 (psi)/(cfm)			AS-18 (psi)/(cfm)						
AS-9 (psi)/(cfm)			AS-19 (psi)/(cfm)						
AS-10B (psi)/(cfm)									

Notes, Comments & Observations: _____

Collected monthly air samples. _____

Inspection, Maintenance, Lubrication Schedule

Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services

5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 27-Aug
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 8:45
Departure Time: 9:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	N	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	N	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

Appendix B
AS/SVE System Influent/Effluent Sampling
Laboratory Analytical Results



Friday, October 02, 2020

Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: ENSAFE-WESTBURY
SDG ID: GCG87020
Sample ID#s: CG87020 - CG87021

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

October 02, 2020

SDG I.D.: GCG87020

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CG87020	AIR
SVE INFLUENT	CG87021	AIR



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 02, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:
Canister Id: 706

Custody Information

Collected by: JW
Received by: SW
Analyzed by: see "By" below

Date

09/23/20
09/29/20

Time

9:01
15:16

Laboratory Data

SDG ID: GCG87020
Phoenix ID: CG87020

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	09/30/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	09/30/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	09/30/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	09/30/20	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	09/30/20	KCA	1
1,1-Dichloroethene	0.099	0.051	0.39	0.20	09/30/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	09/30/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	09/30/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	09/30/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	09/30/20	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	09/30/20	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	09/30/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	09/30/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	09/30/20	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	09/30/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	09/30/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	09/30/20	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	09/30/20	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	09/30/20	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	09/30/20	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	09/30/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.269	0.244	1.10	1.00	09/30/20	KCA	1
Acetone	1.49	0.421	3.54	1.00	09/30/20	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	09/30/20	KCA	1
Benzene	ND	0.313	ND	1.00	09/30/20	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	09/30/20	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	
Bromodichloromethane	ND	0.149	ND	1.00	09/30/20	KCA	1
Bromoform	ND	0.097	ND	1.00	09/30/20	KCA	1
Bromomethane	ND	0.258	ND	1.00	09/30/20	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	09/30/20	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	09/30/20	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	09/30/20	KCA	1
Chloroethane	ND	0.379	ND	1.00	09/30/20	KCA	1
Chloroform	ND	0.205	ND	1.00	09/30/20	KCA	1
Chloromethane	ND	0.485	ND	1.00	09/30/20	KCA	1
Cis-1,2-Dichloroethene	106	0.252	420	1.00	09/29/20	KCA	5
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	09/30/20	KCA	1
Cyclohexane	ND	0.291	ND	1.00	09/30/20	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	09/30/20	KCA	1
Dichlorodifluoromethane	0.435	0.202	2.15	1.00	09/30/20	KCA	1
Ethanol	16.2	0.531	30.5	1.00	09/30/20	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	09/30/20	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	09/30/20	KCA	1
Heptane	ND	0.244	ND	1.00	09/30/20	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	09/30/20	KCA	1
Hexane	ND	0.284	ND	1.00	09/30/20	KCA	1
Isopropylalcohol	1.34	0.407	3.29	1.00	09/30/20	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	09/30/20	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	09/30/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	09/30/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	09/30/20	KCA	1
Methylene Chloride	ND	0.864	ND	3.00	09/30/20	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	09/30/20	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	09/30/20	KCA	1
Propylene	ND	0.581	ND	1.00	09/30/20	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	09/30/20	KCA	1 1
Styrene	ND	0.235	ND	1.00	09/30/20	KCA	1
Tetrachloroethene	17.9	0.037	121	0.25	09/30/20	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	09/30/20	KCA	1 1
Toluene	ND	0.266	ND	1.00	09/30/20	KCA	1
Trans-1,2-Dichloroethene	0.933	0.252	3.70	1.00	09/30/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	09/30/20	KCA	1
Trichloroethene	5.67	0.037	30.5	0.20	09/30/20	KCA	1
Trichlorofluoromethane	0.501	0.178	2.81	1.00	09/30/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	09/30/20	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	09/30/20	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	101	%	101	%	09/30/20	KCA	1
% IS-1,4-Difluorobenzene	109	%	109	%	09/30/20	KCA	1
% IS-Bromochloromethane	103	%	103	%	09/30/20	KCA	1
% IS-Chlorobenzene-d5	107	%	107	%	09/30/20	KCA	1
% Bromofluorobenzene (5x)	97	%	97	%	09/29/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	109	%	109	%	09/29/20	KCA	5
% IS-Bromochloromethane (5x)	108	%	108	%	09/29/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	105	%	105	%	09/29/20	KCA	5

Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 02, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 02, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:
Canister Id: 822

Custody Information

Collected by: JW
Received by: SW
Analyzed by: see "By" below

Date

09/23/20
09/29/20

Time

9:06
15:16

Laboratory Data

SDG ID: GCG87020
Phoenix ID: CG87021

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	10/01/20	KCA	1
1,1,1-Trichloroethane	0.613	0.183	3.34	1.00	10/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	10/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	10/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	10/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	10/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	10/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	10/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	10/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	10/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	10/01/20	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	10/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	10/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	10/01/20	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	10/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	10/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	10/01/20	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	10/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	10/01/20	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	10/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	10/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	10/01/20	KCA	1
Acetone	3.90	0.421	9.26	1.00	10/01/20	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	10/01/20	KCA	1
Benzene	ND	0.313	ND	1.00	10/01/20	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	10/01/20	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	
Bromodichloromethane	ND	0.149	ND	1.00	10/01/20	KCA	1
Bromoform	ND	0.097	ND	1.00	10/01/20	KCA	1
Bromomethane	ND	0.258	ND	1.00	10/01/20	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	10/01/20	KCA	1
Carbon Tetrachloride	0.065	0.032	0.41	0.20	10/01/20	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	10/01/20	KCA	1
Chloroethane	ND	0.379	ND	1.00	10/01/20	KCA	1
Chloroform	0.230	0.205	1.12	1.00	10/01/20	KCA	1
Chloromethane	ND	0.485	ND	1.00	10/01/20	KCA	1
Cis-1,2-Dichloroethene	3.18	0.051	12.6	0.20	10/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	10/01/20	KCA	1
Cyclohexane	ND	0.291	ND	1.00	10/01/20	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	10/01/20	KCA	1
Dichlorodifluoromethane	0.300	0.202	1.48	1.00	10/01/20	KCA	1
Ethanol	18.4	0.531	34.6	1.00	10/01/20	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	10/01/20	KCA	1 1
Ethylbenzene	0.701	0.230	3.04	1.00	10/01/20	KCA	1
Heptane	ND	0.244	ND	1.00	10/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	10/01/20	KCA	1
Hexane	ND	0.284	ND	1.00	10/01/20	KCA	1
Isopropylalcohol	1.09	0.407	2.68	1.00	10/01/20	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	10/01/20	KCA	1
m,p-Xylene	5.10	0.230	22.1	1.00	10/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	10/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	10/01/20	KCA	1
Methylene Chloride	ND	0.864	ND	3.00	10/01/20	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	10/01/20	KCA	1 1
o-Xylene	1.06	0.230	4.60	1.00	10/01/20	KCA	1
Propylene	ND	0.581	ND	1.00	10/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	10/01/20	KCA	1 1
Styrene	ND	0.235	ND	1.00	10/01/20	KCA	1
Tetrachloroethene	137	0.184	929	1.25	10/01/20	KCA	5
Tetrahydrofuran	0.961	0.339	2.83	1.00	10/01/20	KCA	1 1
Toluene	ND	0.266	ND	1.00	10/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	10/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	10/01/20	KCA	1
Trichloroethene	10.2	0.037	54.8	0.20	10/01/20	KCA	1
Trichlorofluoromethane	0.252	0.178	1.41	1.00	10/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	10/01/20	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	10/01/20	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	101	%	101	%	10/01/20	KCA	1
% IS-1,4-Difluorobenzene	92	%	92	%	10/01/20	KCA	1
% IS-Bromochloromethane	91	%	91	%	10/01/20	KCA	1
% IS-Chlorobenzene-d5	90	%	90	%	10/01/20	KCA	1
% Bromofluorobenzene (5x)	99	%	99	%	10/01/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	77	%	77	%	10/01/20	KCA	5
% IS-Bromochloromethane (5x)	77	%	77	%	10/01/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	75	%	75	%	10/01/20	KCA	5

Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By
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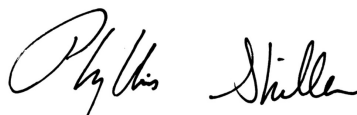
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 02, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

October 02, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Location Code: ENVIOTR

SDG I.D.: GCG87020

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE EFFLUENT	CG87020	706	1.4L		09/16/20	-30	0		B SAM				09/23/20 09:00	09/23/20 09:01
SVE INFLUENT	CG87021	822	1.4L		09/16/20	-30	-3		B SAM				09/23/20 09:05	09/23/20 09:06



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QA/QC Report

October 02, 2020

QA/QC Data

SDG I.D.: GCG87020

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 547701 (ppbv), QC Sample No: CG86992 (CG87021 (1X, 5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	114	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.250	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.166	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	85	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	108	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.166	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.166	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	101	43.7	51.0	18.4	21.5	15.5	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	99	7.63	8.84	2.39	2.77	14.7	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	122	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	107	6.52	7.37	0.973	1.10	12.3	70 - 130	25
Bromoform	ND	0.097	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.040	ND	0.25	98	0.67	0.79	0.106	0.125	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	103	117	138	23.9	28.2	16.5	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	83	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.250	ND	0.99	106	3.03	3.69	0.765	0.930	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	102	6.88	8.19	2.00	2.38	17.4	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	85	1.52	1.56	0.307	0.315	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	143	89.6 E	104	47.6 E	55.0	14.4	70 - 130	25

QA/QC Data

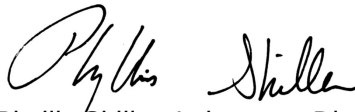
SDG I.D.: GCG87020

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	86	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	115	122	142	34.5	40.4	15.8	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	144	7.32	8.52	2.98	3.47	15.2	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	107	1.70	2.07	0.391	0.477	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.290	ND	1.01	91	3.61	3.85	1.04	1.11	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.235	ND	1.00	106	1.16	1.29	0.272	0.302	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	104	605	705	89.3	104	15.2	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	105	2.44	3.00	0.647	0.797	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.047	ND	0.25	104	477	559	88.9	104	15.7	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	99	13.1	15.2	2.33	2.71	15.1	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.098	ND	0.25	111	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	100	100	101	100	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	80	%	80	%	95	84	70	84	70	NC	60 - 140	25
% IS-Bromochloromethane	77	%	77	%	95	88	73	88	73	NC	60 - 140	25
% IS-Chlorobenzene-d5	79	%	79	%	96	89	75	89	75	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
 LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample Duplicate
 MS - Matrix Spike
 MS Dup - Matrix Spike Duplicate
 NC - No Criteria
 Intf - Interference


 Phyllis Shiller, Laboratory Director
 October 02, 2020

Friday, October 02, 2020

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCG87020 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

October 02, 2020

SDG I.D.: GCG87020

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Appendix C
Groundwater Extraction Well Sampling
Laboratory Analytical Results



Tuesday, October 06, 2020

Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: FROST STREET OU2
SDG ID: GCG88108
Sample ID#s: CG88108 - CG88111

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

October 06, 2020

SDG I.D.: GCG88108

Project ID: FROST STREET OU2

Client Id	Lab Id	Matrix
EX-1A	CG88108	GROUND WATER
EX-1B	CG88109	GROUND WATER
EX-1C	CG88110	GROUND WATER
EX-1D	CG88111	GROUND WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 06, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JO
Received by: B
Analyzed by: see "By" below

Date

09/30/20
09/30/20

Time

6:05
15:14

Laboratory Data

SDG ID: GCG88108
Phoenix ID: CG88108

Project ID: FROST STREET OU2
Client ID: EX-1A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/01/20	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,2-Dichloroethene	2.7	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/01/20	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Naphthalene	ND	1.0	1.0	ug/L	1	10/01/20	MH E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/01/20	MH E624.1
Tetrachloroethene	48	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH E624.1
Trichloroethene	4.2	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	1	10/01/20	MH 70 - 130 %
% Bromofluorobenzene	93			%	1	10/01/20	MH 70 - 130 %
% Dibromofluoromethane	101			%	1	10/01/20	MH 70 - 130 %
% Toluene-d8	99			%	1	10/01/20	MH 70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 06, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JO
Received by: B
Analyzed by: see "By" below

Date

09/30/20
09/30/20

Time

6:05
15:14

Laboratory Data

SDG ID: GCG88108
Phoenix ID: CG88109

Project ID: FROST STREET OU2
Client ID: EX-1B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/01/20	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,2-Dichloroethene	10	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/01/20	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Naphthalene	ND	1.0	1.0	ug/L	1	10/01/20	MH E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/01/20	MH E624.1
Tetrachloroethene	310	10	5.0	ug/L	20	10/01/20	MH E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH E624.1
Trichloroethene	15	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	10/01/20	MH 70 - 130 %
% Bromofluorobenzene	93			%	1	10/01/20	MH 70 - 130 %
% Dibromofluoromethane	98			%	1	10/01/20	MH 70 - 130 %
% Toluene-d8	97			%	1	10/01/20	MH 70 - 130 %
% 1,2-dichlorobenzene-d4 (20x)	100			%	20	10/01/20	MH 70 - 130 %
% Bromofluorobenzene (20x)	91			%	20	10/01/20	MH 70 - 130 %
% Dibromofluoromethane (20x)	102			%	20	10/01/20	MH 70 - 130 %
% Toluene-d8 (20x)	102			%	20	10/01/20	MH 70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 06, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JO
Received by: B
Analyzed by: see "By" below

Date

09/30/20
09/30/20

Time

6:05
15:14

Laboratory Data

SDG ID: GCG88108
Phoenix ID: CG88110

Project ID: FROST STREET OU2
Client ID: EX-1C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethene	0.29	J 0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/01/20	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,2-Dichloroethene	0.92	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/01/20	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Naphthalene	ND	1.0	1.0	ug/L	1	10/01/20	MH E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/01/20	MH E624.1
Tetrachloroethene	50	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH E624.1
Trichloroethene	3.9	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	1	10/01/20	MH 70 - 130 %
% Bromofluorobenzene	92			%	1	10/01/20	MH 70 - 130 %
% Dibromofluoromethane	100			%	1	10/01/20	MH 70 - 130 %
% Toluene-d8	100			%	1	10/01/20	MH 70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director**October 06, 2020****Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 06, 2020

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by: JO
Received by: B
Analyzed by: see "By" below

Date

09/30/20
09/30/20

Time

6:05
15:14

Laboratory Data

SDG ID: GCG88108
Phoenix ID: CG88111

Project ID: FROST STREET OU2
Client ID: EX-1D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethane	0.29	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,1-Dichloroethene	2.1	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/01/20	MH	E624.1
Carbon tetrachloride	0.80	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloroform	0.72	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,2-Dichloroethene	4.1	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/01/20	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Naphthalene	ND	1.0	1.0	ug/L	1	10/01/20	MH E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/01/20	MH E624.1
Tetrachloroethene	94	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/20	MH E624.1
Trichloroethene	23	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/01/20	MH E624.1
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	1	10/01/20	MH 70 - 130 %
% Bromofluorobenzene	93			%	1	10/01/20	MH 70 - 130 %
% Dibromofluoromethane	100			%	1	10/01/20	MH 70 - 130 %
% Toluene-d8	98			%	1	10/01/20	MH 70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 06, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

October 06, 2020

QA/QC Data

SDG I.D.: GCG88108

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 547920 (ug/L), QC Sample No: CG88110 (CG88109 (20X) , CG88110)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	92	88	4.4	88	88	0.0	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	111	106	4.6	107	106	0.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	99	98	1.0	97	97	0.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	98	94	4.2	96	94	2.1	72 - 128	20
1,1-Dichloroethene	ND	1.0	107	101	5.8	109	103	5.7	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	101	97	4.0	99	98	1.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	95	92	3.2	91	91	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	102	100	2.0	99	99	0.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	100	98	2.0	98	98	0.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	100	96	4.1	97	97	0.0	63 - 137	20
Benzene	ND	0.70	101	99	2.0	98	101	3.0	64 - 136	20
Bromodichloromethane	ND	0.50	98	96	2.1	95	94	1.1	65 - 135	20
Bromoform	ND	1.0	99	95	4.1	92	94	2.2	71 - 129	20
Bromomethane	ND	1.0	97	94	3.1	98	97	1.0	40 - 160	20
Carbon tetrachloride	ND	1.0	90	86	4.5	87	86	1.2	73 - 127	20
Chlorobenzene	ND	1.0	101	99	2.0	98	100	2.0	66 - 134	20
Chloroethane	ND	1.0	93	89	4.4	103	97	6.0	40 - 160	20
Chloroform	ND	1.0	98	93	5.2	95	93	2.1	67 - 133	20
Chloromethane	ND	1.0	99	92	7.3	99	98	1.0	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	98	93	5.2	96	94	2.1	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	100	99	1.0	93	91	2.2	40 - 160	20
Dibromochloromethane	ND	0.50	104	102	1.9	98	98	0.0	67 - 133	20
Ethylbenzene	ND	1.0	101	100	1.0	97	100	3.0	59 - 141	20
m&p-Xylene	ND	1.0	104	101	2.9	101	100	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	98	96	2.1	99	97	2.0	70 - 130	30
Methylene chloride	ND	1.0	97	95	2.1	103	100	3.0	60 - 140	20
Naphthalene	ND	1.0	107	104	2.8	100	102	2.0	70 - 130	30
o-Xylene	ND	1.0	103	101	2.0	100	101	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	92	89	3.3	87	87	0.0	73 - 127	20
Toluene	ND	1.0	99	97	2.0	97	98	1.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	113	106	6.4	114	112	1.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	99	98	1.0	92	92	0.0	50 - 150	20
Trichloroethene	ND	1.0	99	95	4.1	96	96	0.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	93	91	2.2	96	93	3.2	48 - 152	20
Vinyl chloride	ND	1.0	101	97	4.0	100	100	0.0	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	101	100	1.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	92	%	98	98	0.0	96	96	0.0	70 - 130	30
% Dibromofluoromethane	102	%	98	99	1.0	100	98	2.0	70 - 130	30
% Toluene-d8	100	%	98	100	2.0	98	98	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GCG88108

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 547723 (ug/L), QC Sample No: CG88302 (CG88108, CG88109, CG88111)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	91	92	1.1	89	87	2.3	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	109	112	2.7	108	109	0.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	101	104	2.9	99	97	2.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	96	97	1.0	96	94	2.1	72 - 128	20
1,1-Dichloroethene	ND	1.0	99	102	3.0	102	100	2.0	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	98	102	4.0	98	96	2.1	63 - 137	20
1,2-Dichloroethane	ND	1.0	96	97	1.0	92	92	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	101	104	2.9	101	99	2.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	98	101	3.0	95	94	1.1	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	97	102	5.0	95	95	0.0	63 - 137	20
Benzene	ND	0.70	102	105	2.9	99	98	1.0	64 - 136	20
Bromodichloromethane	ND	0.50	100	102	2.0	96	95	1.0	65 - 135	20
Bromoform	ND	1.0	100	102	2.0	89	91	2.2	71 - 129	20
Bromomethane	ND	1.0	89	88	1.1	95	91	4.3	40 - 160	20
Carbon tetrachloride	ND	1.0	103	89	14.6	85	97	13.2	73 - 127	20
Chlorobenzene	ND	1.0	99	103	4.0	96	96	0.0	66 - 134	20
Chloroethane	ND	1.0	86	89	3.4	93	91	2.2	40 - 160	20
Chloroform	ND	1.0	96	98	2.1	97	92	5.3	67 - 133	20
Chloromethane	ND	1.0	93	94	1.1	97	97	0.0	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	95	98	3.1	92	90	2.2	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	95	100	5.1	92	92	0.0	40 - 160	20
Dibromochloromethane	ND	0.50	103	105	1.9	96	99	3.1	67 - 133	20
Ethylbenzene	ND	1.0	101	106	4.8	97	96	1.0	59 - 141	20
m&p-Xylene	ND	1.0	100	106	5.8	99	97	2.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	93	97	4.2	98	95	3.1	70 - 130	30
Methylene chloride	ND	1.0	105	107	1.9	103	95	8.1	60 - 140	20
Naphthalene	ND	1.0	111	114	2.7	102	106	3.8	70 - 130	30
o-Xylene	ND	1.0	103	107	3.8	100	99	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	92	95	3.2	88	85	3.5	73 - 127	20
Toluene	ND	1.0	100	104	3.9	97	97	0.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	104	106	1.9	109	105	3.7	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	97	99	2.0	91	91	0.0	50 - 150	20
Trichloroethene	ND	1.0	97	101	4.0	93	92	1.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	89	91	2.2	95	92	3.2	48 - 152	20
Vinyl chloride	ND	1.0	96	96	0.0	95	96	1.0	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	101	1.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	92	%	96	97	1.0	96	97	1.0	70 - 130	30
% Dibromofluoromethane	100	%	98	97	1.0	99	100	1.0	70 - 130	30
% Toluene-d8	101	%	100	99	1.0	98	100	2.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
October 06, 2020

Tuesday, October 06, 2020

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCG88108 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

October 06, 2020

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



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NY Temperature Narration

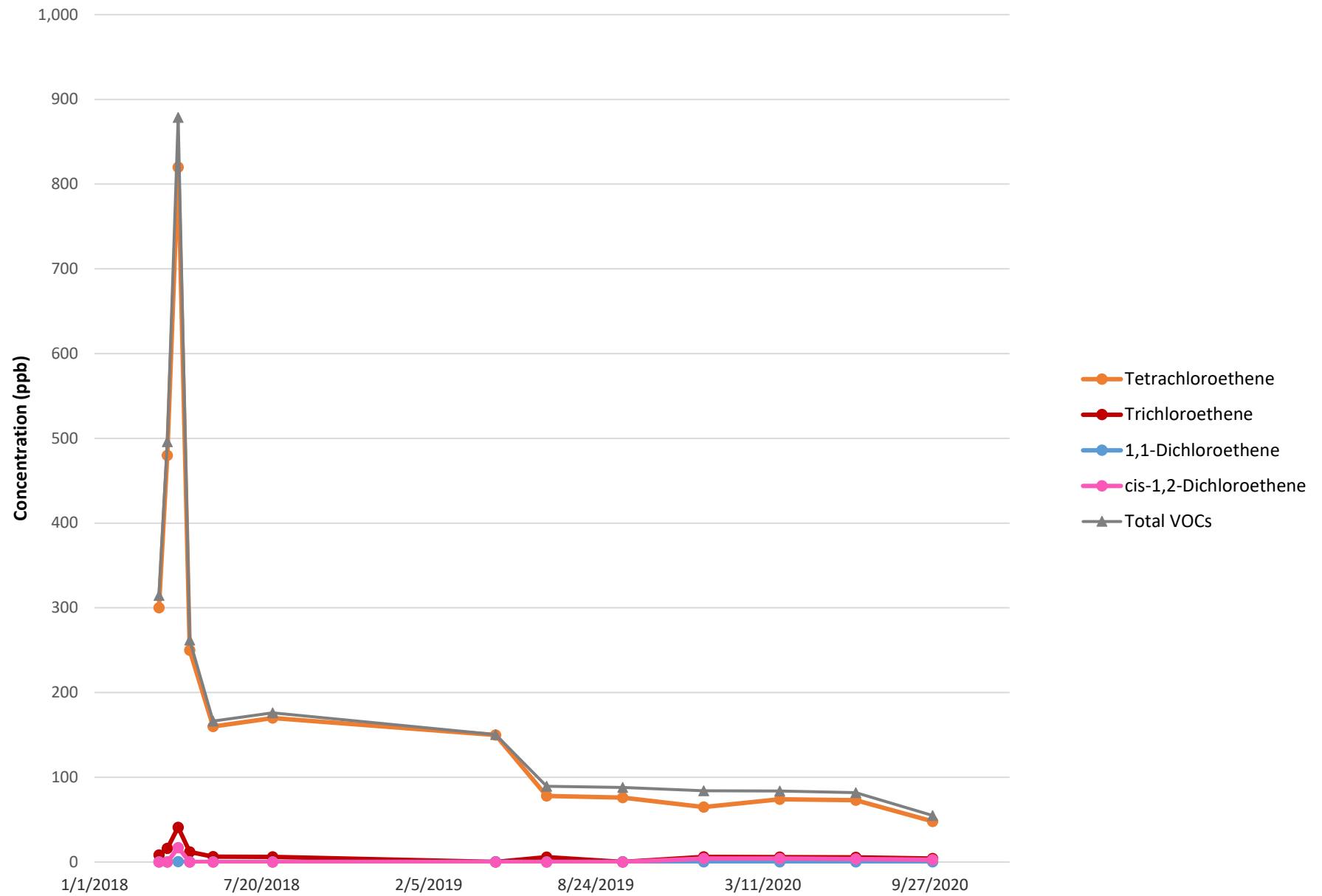
October 06, 2020

SDG I.D.: GCG88108

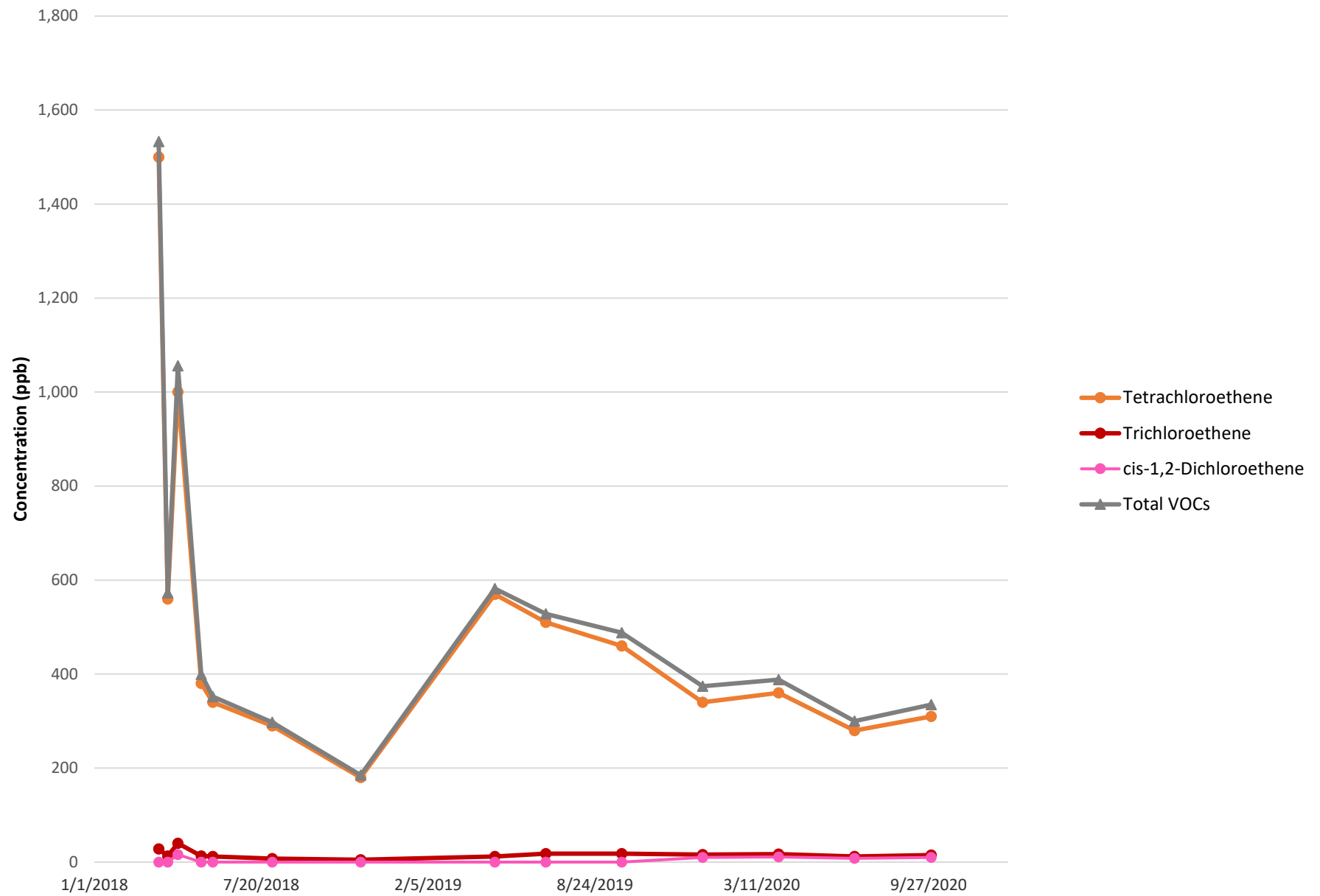
The samples in this delivery group were received at 2.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction Well Sampling
Historical Results

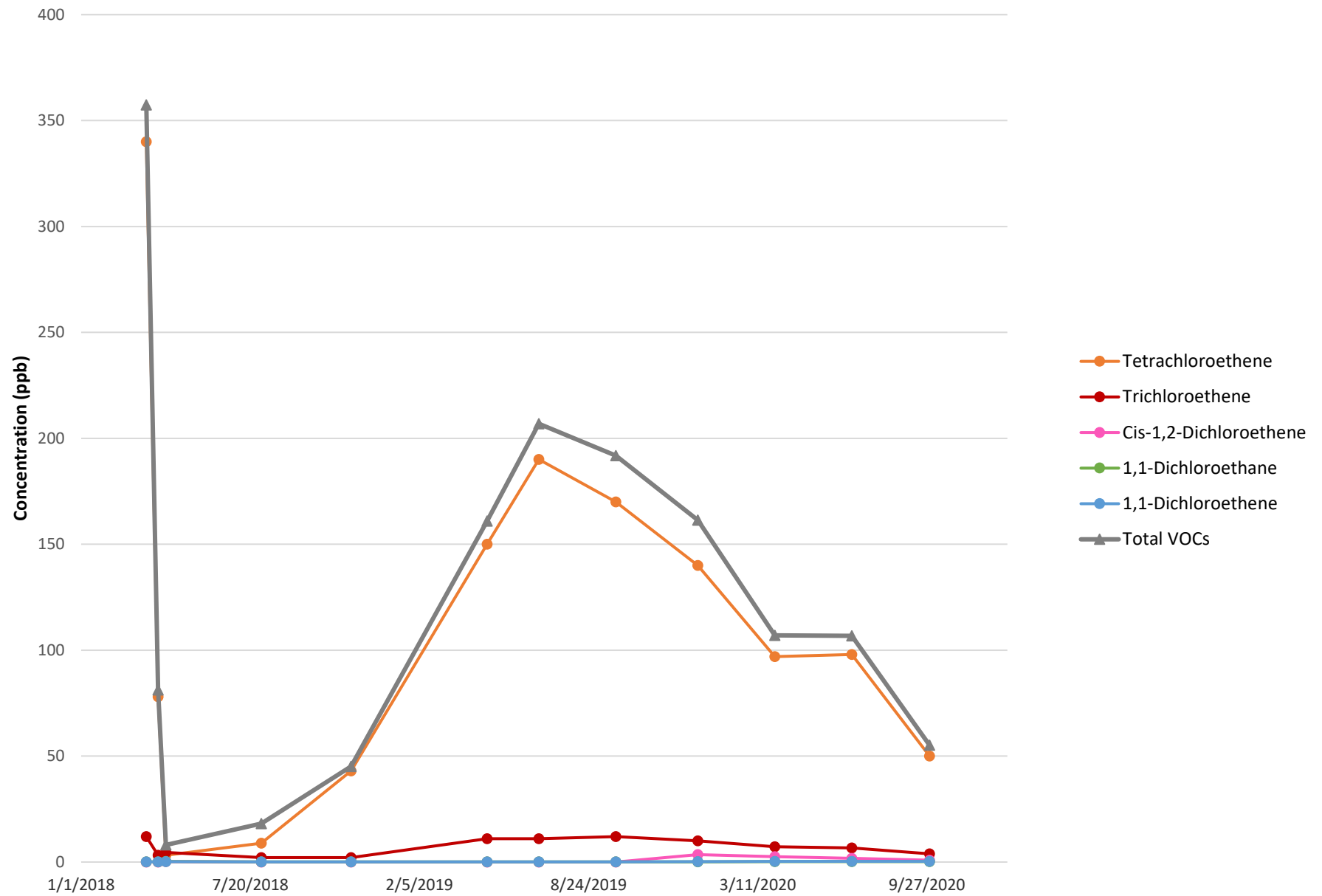
EX-1A



EX-1B



EX-1C



EX-1D

