

October 11, 2021

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 2021
Frost Street Sites: Site ID Nos. 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 Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in September 2021 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).
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on September 15, 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 (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [30,815 µg/m³]) continue to indicate significant mass extraction.
 - 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 2021 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	45.9
Tetrachloroethene	1,000	38,000	71.2
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	781

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 all of September except for from September 1 at 10:30 PM to September 2 at 11:00 AM due to a power outage. EX-1A has also been offline since September 18 due to a voltage issue. A repair is anticipated the week of October 11.

Quarterly samples were collected from each operational extraction well on September 30 and analyzed for VOCs; a summary of the detected values is provided below. EX-1A was not sampled because the well pump is currently not operational. 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
1,1,1-Trichloroethane	NS	ND	ND	0.55
1,1-Dichloroethane	NS	ND	ND	0.43
1,1-Dichloroethene	NS	ND	0.5	4
Carbon tetrachloride	NS	ND	ND	0.79
Chloroform	NS	ND	ND	0.85
cis-1,2-Dichloroethene	NS	9	1.2	5
Tetrachloroethene	NS	280	50	92
Trichloroethene	NS	13	4.5	24
Total VOCs	NS	302	56.2	127.62

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 groundwater sampling event was performed the week of August 30. Results will be submitted in a forthcoming report.

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>
	J. Privitera, Esq.	<i>Via email to jprivitera@woh.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
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: 15-Sep
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		AS Compressor 2 (ON/OFF)	OFF		OFF	
					Air Cooler (ON/OFF)	ON		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4400		864		Blower 1 Total Runtime (hrs)	62,637.5			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	63,114.3			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	60				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				VGAC-1 Influent PID (ppm)	2.0			
VGAC-1 Influent Vacuum ("H2O)	40				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-1 Effluent Vacuum ("H2O)	48				VGAC-2 Influent PID (ppm)	2.0			
VGAC-2 Influent Vacuum ("H2O)	40				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Effluent Vacuum ("H2O)	42				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Influent Vacuum ("H2O)	60				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Effluent Vacuum ("H2O)	65				Blower Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)					Transfer Pump Total Runtime (hrs)	25,044.8			
Blower Effluent Pressure ("H2O)	9				Condensate Storage Tank Level (gal)	0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	45	7000	153	1.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	37	4200	92	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	47	4300	94	4.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	48	3000	65	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	39	5000	109	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	44	6000	131	5.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	36	4200	92	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	3100	68	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	14				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	4,496.5				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	225				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	90				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	92			
Air Cooler Outlet Pressure (psi)	15				AS Manifold Pressure	14			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	15	10	AS-11 (psi)/(cfm)		16	4			
AS-2 (psi)/(cfm)	14	10	AS-12B (psi)/(cfm)		17	12			
AS-3 (psi)/(cfm)	16	10	AS-13B (psi)/(cfm)		16	11			
AS-4 (psi)/(cfm)	15	4	AS-14 (psi)/(cfm)		18	12			
AS-5 (psi)/(cfm)	17	17	AS-15 (psi)/(cfm)		17	10			
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)		16	11			
AS-7 (psi)/(cfm)	16	7	AS-17 (psi)/(cfm)		17	7			
AS-8 (psi)/(cfm)	17	10	AS-18 (psi)/(cfm)		15	9			
AS-9 (psi)/(cfm)	17	10	AS-19 (psi)/(cfm)		16	4			
AS-10B (psi)/(cfm)	16	10							

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

Arrival Time: 9:00
Departure Time: 10:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	Y	28.6
-Inspect Belts	Weekly	Y	
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	Y	
-Lubricate	As Required	N	Oil changed on 8/17/21.
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	27
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-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



Thursday, September 23, 2021

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

Project ID: ENSAFE-WESTBURY
SDG ID: GCJ32258
Sample ID#s: CJ32258 - CJ32259

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

September 23, 2021

SDG I.D.: GCJ32258

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CJ32258	AIR
SVE INFLUENT	CJ32259	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

September 23, 2021

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: 855

Custody Information

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

Date

09/15/21 9:31
09/20/21 14:06

Time

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Laboratory Data

SDG ID: GCJ32258
Phoenix ID: CJ32258

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	09/21/21	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	09/21/21	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	09/21/21	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	09/21/21	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	09/21/21	KCA	1
1,1-Dichloroethene	0.178	0.051	0.71	0.20	09/21/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	09/21/21	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	09/21/21	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	09/21/21	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	09/21/21	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	09/21/21	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	09/21/21	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	09/21/21	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	09/21/21	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	09/21/21	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	09/21/21	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	09/21/21	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	09/21/21	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	09/21/21	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	09/21/21	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	09/21/21	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	09/21/21	KCA	1
Acetone	1.34	0.421	3.18	1.00	09/21/21	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	09/21/21	KCA	1
Benzene	ND	0.313	ND	1.00	09/21/21	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	09/21/21	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	09/21/21	KCA	1
Bromoform	ND	0.097	ND	1.00	09/21/21	KCA	1
Bromomethane	ND	0.258	ND	1.00	09/21/21	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	09/21/21	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	09/21/21	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	09/21/21	KCA	1
Chloroethane	ND	0.379	ND	1.00	09/21/21	KCA	1
Chloroform	ND	0.205	ND	1.00	09/21/21	KCA	1
Chloromethane	ND	0.485	ND	1.00	09/21/21	KCA	1
Cis-1,2-Dichloroethene	197	0.505	781	2.00	09/21/21	KCA	10
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	09/21/21	KCA	1
Cyclohexane	ND	0.291	ND	1.00	09/21/21	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	09/21/21	KCA	1
Dichlorodifluoromethane	0.514	0.202	2.54	1.00	09/21/21	KCA	1
Ethanol	2.03	0.531	3.82	1.00	09/21/21	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	09/21/21	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	09/21/21	KCA	1
Heptane	ND	0.244	ND	1.00	09/21/21	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	09/21/21	KCA	1
Hexane	ND	0.284	ND	1.00	09/21/21	KCA	1
Isopropylalcohol	1.34	0.407	3.29	1.00	09/21/21	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	09/21/21	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	09/21/21	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	09/21/21	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	09/21/21	KCA	1
Methylene Chloride	ND	0.864	ND	3.00	09/21/21	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	09/21/21	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	09/21/21	KCA	1
Propylene	ND	0.581	ND	1.00	09/21/21	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	09/21/21	KCA	1 1
Styrene	ND	0.235	ND	1.00	09/21/21	KCA	1
Tetrachloroethene	10.5	0.037	71.2	0.25	09/21/21	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	09/21/21	KCA	1 1
Toluene	0.394	0.266	1.48	1.00	09/21/21	KCA	1
Trans-1,2-Dichloroethene	2.20	0.252	8.72	1.00	09/21/21	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	09/21/21	KCA	1
Trichloroethene	8.54	0.037	45.9	0.20	09/21/21	KCA	1
Trichlorofluoromethane	0.522	0.178	2.93	1.00	09/21/21	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	09/21/21	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	09/21/21	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	97	%	97	%	09/21/21	KCA	1
% IS-1,4-Difluorobenzene	105	%	105	%	09/21/21	KCA	1
% IS-Bromochloromethane	104	%	104	%	09/21/21	KCA	1
% IS-Chlorobenzene-d5	103	%	103	%	09/21/21	KCA	1
% Bromofluorobenzene (10x)	96	%	96	%	09/21/21	KCA	10
% IS-1,4-Difluorobenzene (10x)	99	%	99	%	09/21/21	KCA	10
% IS-Bromochloromethane (10x)	97	%	97	%	09/21/21	KCA	10
% IS-Chlorobenzene-d5 (10x)	97	%	97	%	09/21/21	KCA	10

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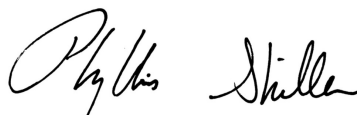
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

September 23, 2021

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

September 23, 2021

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: 726

Custody Information

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

Date

09/15/21
09/20/21

Time

9:36
14:06

Laboratory Data

SDG ID: GCJ32258
Phoenix ID: CJ32259

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	0.729	ND	5.00	09/21/21	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	09/21/21	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	09/21/21	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	09/21/21	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	09/21/21	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	09/21/21	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	09/21/21	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	ND	5.01	09/21/21	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	09/21/21	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	09/21/21	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	09/21/21	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	09/21/21	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	09/21/21	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	ND	5.01	09/21/21	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	09/21/21	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	09/21/21	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	09/21/21	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	09/21/21	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	09/21/21	KCA	5
4-Ethyltoluene	ND	1.02	ND	5.01	09/21/21	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	09/21/21	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	09/21/21	KCA	5
Acetone	4.92	2.11	11.7	5.01	09/21/21	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	09/21/21	KCA	5
Benzene	ND	1.57	ND	5.01	09/21/21	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	09/21/21	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	09/21/21	KCA	5	
Bromoform	ND	0.484	ND	5.00	09/21/21	KCA	5	
Bromomethane	ND	1.29	ND	5.01	09/21/21	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	09/21/21	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	09/21/21	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	09/21/21	KCA	5	
Chloroethane	ND	1.90	ND	5.01	09/21/21	KCA	5	
Chloroform	ND	1.02	ND	4.98	09/21/21	KCA	5	
Chloromethane	ND	2.42	ND	4.99	09/21/21	KCA	5	
Cis-1,2-Dichloroethene	140	0.252	555	1.00	09/21/21	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	09/21/21	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	09/21/21	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	09/21/21	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	09/21/21	KCA	5	
Ethanol	5.01	2.66	9.43	5.01	09/21/21	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	09/21/21	KCA	5	1
Ethylbenzene	ND	1.15	ND	4.99	09/21/21	KCA	5	
Heptane	ND	1.22	ND	5.00	09/21/21	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	09/21/21	KCA	5	
Hexane	ND	1.42	ND	5.00	09/21/21	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	09/21/21	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	09/21/21	KCA	5	
m,p-Xylene	ND	1.15	ND	4.99	09/21/21	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	09/21/21	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	09/21/21	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	09/21/21	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	09/21/21	KCA	5	1
o-Xylene	ND	1.15	ND	4.99	09/21/21	KCA	5	
Propylene	ND	2.91	ND	5.01	09/21/21	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	09/21/21	KCA	5	1
Styrene	ND	1.17	ND	4.98	09/21/21	KCA	5	
Tetrachloroethene	4280	5.53	29000	37.5	09/22/21	KCA	150	
Tetrahydrofuran	ND	1.70	ND	5.01	09/21/21	KCA	5	1
Toluene	ND	1.33	ND	5.01	09/21/21	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	09/21/21	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	09/21/21	KCA	5	
Trichloroethene	234	2.79	1260	15.0	09/22/21	KCA	75	
Trichlorofluoromethane	ND	0.891	ND	5.00	09/21/21	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	09/21/21	KCA	5	
Vinyl Chloride	ND	0.391	ND	1.00	09/21/21	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	97	%	97	%	09/21/21	KCA	5	
% IS-1,4-Difluorobenzene (5x)	107	%	107	%	09/21/21	KCA	5	
% IS-Bromochloromethane (5x)	107	%	107	%	09/21/21	KCA	5	
% IS-Chlorobenzene-d5 (5x)	113	%	113	%	09/21/21	KCA	5	
% Bromofluorobenzene (75x)	96	%	96	%	09/22/21	KCA	75	
% IS-1,4-Difluorobenzene (75x)	95	%	95	%	09/22/21	KCA	75	
% IS-Bromochloromethane (75x)	95	%	95	%	09/22/21	KCA	75	
% IS-Chlorobenzene-d5 (75x)	94	%	94	%	09/22/21	KCA	75	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% Bromofluorobenzene (150x)	94	%	94	%	09/22/21	KCA	150
% IS-1,4-Difluorobenzene (150x)	93	%	93	%	09/22/21	KCA	150
% IS-Bromochloromethane (150x)	92	%	92	%	09/22/21	KCA	150
% IS-Chlorobenzene-d5 (150x)	88	%	88	%	09/22/21	KCA	150

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

September 23, 2021

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

September 23, 2021

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

Location Code: ENVIOTR

SDG I.D.: GCJ32258

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	CJ32258	855	1.4L		09/10/21	-30	-2		B SAM				09/15/21 09:30	09/15/21 09:31
SVE INFLUENT	CJ32259	726	1.4L		09/10/21	-30	-5		B SAM				09/15/21 09:35	09/15/21 09:36



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

September 23, 2021

QA/QC Data

SDG I.D.: GCJ32258

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 592760 (ppbv), QC Sample No: CJ31675 (CJ32259 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	107	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	107	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	108	3.39	3.28	0.689	0.668	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	107	0.99	ND	0.202	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	106	1.16	1.14	0.193	0.190	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	107	2.19	2.20	0.445	0.447	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	107	1.44	1.37	0.263	0.249	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	102	70.0	69.1	29.5	29.1	1.4	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	113	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	93	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	103	1.09	1.11	0.351	0.357	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	105	0.55	0.53	0.088	0.085	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	103	2.46	2.43	0.505	0.499	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	104	1.12	1.08	0.544	0.522	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	108	3.51	3.29	0.887	0.831	6.5	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	106	2.78	2.68	0.563	0.543	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	112	403 E	384	214 E	204	4.8	70 - 130	25

QA/QC Data

SDG I.D.: GCJ32258

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	126	17.9	17.4	4.97	4.84	2.7	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	104	5.77	5.60	1.33	1.29	3.1	70 - 130	25
Heptane	ND	0.240	ND	0.98	108	16.7	16.7	4.07	4.08	0.2	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	99	4.97	4.90	1.41	1.39	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	114	18.3	18.3	7.45	7.46	0.1	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	109	21.2	20.3	4.89	4.68	4.4	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	103	8.49	8.08	2.88	2.74	5.0	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	95	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	102	4.73	4.34	1.09	1.00	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	100	ND	3.74	ND	1.27	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	107	2.12	2.14	0.563	0.568	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	103	2.32	2.16	0.413	0.385	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	111	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95	%	95	%	100	98	100	98	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	100	102	109	102	109	NC	60 - 140	25
% IS-Bromochloromethane	101	%	101	%	100	102	109	102	109	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	102	103	108	103	108	NC	60 - 140	25

QA/QC Batch 592908 (ppbv), QC Sample No: CJ32294 (CJ32258 (1X, 10X) , CJ32259 (75X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	120	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	104	2.68	2.68	0.546	0.546	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	103	1.42	1.43	0.289	0.291	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	106	3.96	3.99	0.806	0.813	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	104	1.36	1.03	0.248	0.188	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	104	13.2	12.5	5.58	5.28	5.5	70 - 130	25

QA/QC Data

SDG I.D.: GCJ32258

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
Acrylonitrile	ND	0.460	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	118	10.7	10.3	3.36	3.22	4.3	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	90	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	104	11.7	11.6	3.75	3.73	0.5	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	ND	ND	ND	ND	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	109	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	103	7.17	6.93	1.47	1.42	3.5	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	109	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	105	2.57	2.58	0.520	0.522	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	109	3.22	113	1.71	60.0	NC	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	86	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	103	11.8	11.8	2.72	2.73	0.4	70 - 130	25
Heptane	ND	0.240	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	103	1.74	1.32	0.495	0.374	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	117	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	88	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	108	26.0	26.2	5.99	6.04	0.8	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	107	1.43	ND	0.486	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	90	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	98	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	102	7.51	7.42	1.73	1.71	1.2	70 - 130	25
Propylene	ND	0.580	ND	1.00	111	16.2	15.5	9.42	9.00	4.6	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	109	3.41	3.39	0.800	0.797	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	101	7.12	6.98	1.05	1.03	1.9	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	108	35.3	34.3	9.36	9.11	2.7	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	107	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	104	1.60	1.53	0.298	0.284	4.8	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	102	3.84	3.68	0.684	0.655	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95	%	95	%	100	98	97	98	97	NC	70 - 130	25
% IS-1,4-Difluorobenzene	103	%	103	%	103	94	100	94	100	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	100	94	98	94	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	100	96	98	96	98	NC	60 - 140	25

QA/QC Batch 593057 (ppbv), QC Sample No: CJ32705 (CJ32259 (150X))

Volatiles

Tetrachloroethene	ND	0.093	ND	0.63	99	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	93	%	93	%	98	95	95	95	95	NC	70 - 130	25
% IS-1,4-Difluorobenzene	102	%	102	%	104	98	91	98	91	NC	60 - 140	25

QA/QC Data

SDG I.D.: GCJ32258

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
% IS-Bromochloromethane	103	%	103	%	104	98	92	98	92	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	102	96	90	96	90	NC	60 - 140	25

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
September 23, 2021

Thursday, September 23, 2021

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCJ32258 - 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.



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



Analysis Comments

September 23, 2021

SDG I.D.: GCJ32258

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 System Water Samples
Laboratory Analytical Results



Tuesday, October 05, 2021

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

Project ID: FROST STREET 002
SDG ID: GCJ46674
Sample ID#s: CJ46674 - CJ46676

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



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Sample Id Cross Reference

October 05, 2021

SDG I.D.: GCJ46674

Project ID: FROST STREET 002

Client Id	Lab Id	Matrix
EX-1B	CJ46674	GROUND WATER
EX-1C	CJ46675	GROUND WATER
EX-1D	CJ46676	GROUND WATER



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



Analysis Report

October 05, 2021

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:
Received by: CP
Analyzed by: see "By" below

Date

09/30/21

Time

9:30

09/30/21

16:10

Laboratory Data

SDG ID: GCJ46674
Phoenix ID: CJ46674

Project ID: FROST STREET 002
Client ID: EX-1B

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	10/03/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/03/21	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,2-Dichloroethene	9.0	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/03/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/03/21	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	10/03/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/03/21	MH	E624.1
Tetrachloroethene	280	10	5.0	ug/L	20	10/04/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Trichloroethene	13	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	10/03/21	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	10/03/21	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	10/03/21	MH	70 - 130 %
% Toluene-d8	100			%	1	10/03/21	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (20x)	101			%	20	10/04/21	MH	70 - 130 %
% Bromofluorobenzene (20x)	96			%	20	10/04/21	MH	70 - 130 %
% Dibromofluoromethane (20x)	99			%	20	10/04/21	MH	70 - 130 %
% Toluene-d8 (20x)	100			%	20	10/04/21	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 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:

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 05, 2021

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 05, 2021

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:
Received by: CP
Analyzed by: see "By" below

Date

09/30/21
09/30/21

Time

9:35
16:10

Laboratory Data

SDG ID: GCJ46674
Phoenix ID: CJ46675

Project ID: FROST STREET 002
Client ID: EX-1C

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	10/03/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethene	0.50	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/03/21	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,2-Dichloroethene	1.2	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/03/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/03/21	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	10/03/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/03/21	MH	E624.1
Tetrachloroethene	50	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Trichloroethene	4.5	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	10/03/21	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	10/03/21	MH	70 - 130 %
% Dibromofluoromethane	106			%	1	10/03/21	MH	70 - 130 %
% Toluene-d8	99			%	1	10/03/21	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:

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.
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Phyllis Shiller, Laboratory Director

October 05, 2021

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 05, 2021

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:
Received by: CP
Analyzed by: see "By" below

Date

09/30/21

Time

9:40

09/30/21

16:10

Laboratory Data

SDG ID: GCJ46674
Phoenix ID: CJ46676

Project ID: FROST STREET 002
Client ID: EX-1D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	0.55	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethane	0.43	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,1-Dichloroethene	4.0	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	10/03/21	MH	E624.1
Carbon tetrachloride	0.79	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloroform	0.85	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,2-Dichloroethene	5.0	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/03/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/03/21	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	10/03/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/03/21	MH	E624.1
Tetrachloroethene	92	2.5	1.3	ug/L	5	10/04/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/03/21	MH	E624.1
Trichloroethene	24	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/03/21	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	10/03/21	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	10/03/21	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	10/03/21	MH	70 - 130 %
% Toluene-d8	100			%	1	10/03/21	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	100			%	5	10/04/21	MH	70 - 130 %
% Bromofluorobenzene (5x)	96			%	5	10/04/21	MH	70 - 130 %
% Dibromofluoromethane (5x)	101			%	5	10/04/21	MH	70 - 130 %
% Toluene-d8 (5x)	99			%	5	10/04/21	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 05, 2021

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 05, 2021

QA/QC Data

SDG I.D.: GCJ46674

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 594860 (ug/L), QC Sample No: CJ45987 (CJ46674 (20X) , CJ46676 (5X))

Volatiles - Ground Water

Tetrachloroethene	ND	1.0	101	103	2.0	96	95	1.0	73 - 127	20
% 1,2-dichlorobenzene-d4	98	%	99	101	2.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	99	%	101	102	1.0	100	101	1.0	70 - 130	30
% Dibromofluoromethane	98	%	101	100	1.0	100	101	1.0	70 - 130	30
% Toluene-d8	99	%	101	100	1.0	100	101	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 594649 (ug/L), QC Sample No: CJ46677 (CJ46674, CJ46675, CJ46676)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	110	108	1.8	111	114	2.7	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	104	105	1.0	101	106	4.8	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	103	103	0.0	104	106	1.9	71 - 129	20
1,1-Dichloroethane	ND	1.0	107	106	0.9	110	111	0.9	72 - 128	20
1,1-Dichloroethene	ND	1.0	101	98	3.0	109	110	0.9	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	107	105	1.9	103	104	1.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	106	103	2.9	105	104	1.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	106	105	0.9	105	107	1.9	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	107	104	2.8	102	105	2.9	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	106	104	1.9	102	104	1.9	63 - 137	20
Benzene	ND	0.70	108	105	2.8	105	108	2.8	64 - 136	20
Bromodichloromethane	ND	0.50	109	106	2.8	106	106	0.0	65 - 135	20
Bromoform	ND	1.0	116	115	0.9	110	110	0.0	71 - 129	20
Bromomethane	ND	1.0	100	101	1.0	105	109	3.7	40 - 160	20
Carbon tetrachloride	ND	1.0	104	102	1.9	125	112	11.0	73 - 127	20
Chlorobenzene	ND	1.0	109	105	3.7	107	106	0.9	66 - 134	20
Chloroethane	ND	1.0	100	95	5.1	108	108	0.0	40 - 160	20
Chloroform	ND	1.0	106	105	0.9	111	111	0.0	67 - 133	20
Chloromethane	ND	1.0	104	102	1.9	110	114	3.6	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	109	108	0.9	109	109	0.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	113	110	2.7	101	104	2.9	40 - 160	20
Dibromochloromethane	ND	0.50	117	114	2.6	110	111	0.9	67 - 133	20
Ethylbenzene	ND	1.0	113	109	3.6	110	111	0.9	59 - 141	20
m&p-Xylene	ND	1.0	114	109	4.5	111	110	0.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	103	1.9	113	111	1.8	70 - 130	30
Methylene chloride	ND	1.0	101	97	4.0	112	110	1.8	60 - 140	20
Naphthalene	ND	1.0	114	112	1.8	107	110	2.8	70 - 130	30
o-Xylene	ND	1.0	111	107	3.7	106	107	0.9	70 - 130	30
Tetrachloroethene	ND	1.0	108	105	2.8	105	106	0.9	73 - 127	20
Toluene	ND	1.0	109	105	3.7	106	109	2.8	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	101	96	5.1	109	111	1.8	69 - 131	20

QA/QC Data

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Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
trans-1,3-Dichloropropene	ND	0.40	116	113	2.6	105	105	0.0	50 - 150	20
Trichloroethene	ND	1.0	108	105	2.8	109	107	1.9	66 - 134	20
Trichlorofluoromethane	ND	1.0	101	99	2.0	115	114	0.9	48 - 152	20
Vinyl chloride	ND	1.0	108	107	0.9	115	119	3.4	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	99	99	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	98	%	103	101	2.0	101	100	1.0	70 - 130	30
% Dibromofluoromethane	102	%	102	103	1.0	102	103	1.0	70 - 130	30
% Toluene-d8	100	%	100	99	1.0	100	100	0.0	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 05, 2021

Tuesday, October 05, 2021

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCJ46674 - 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

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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

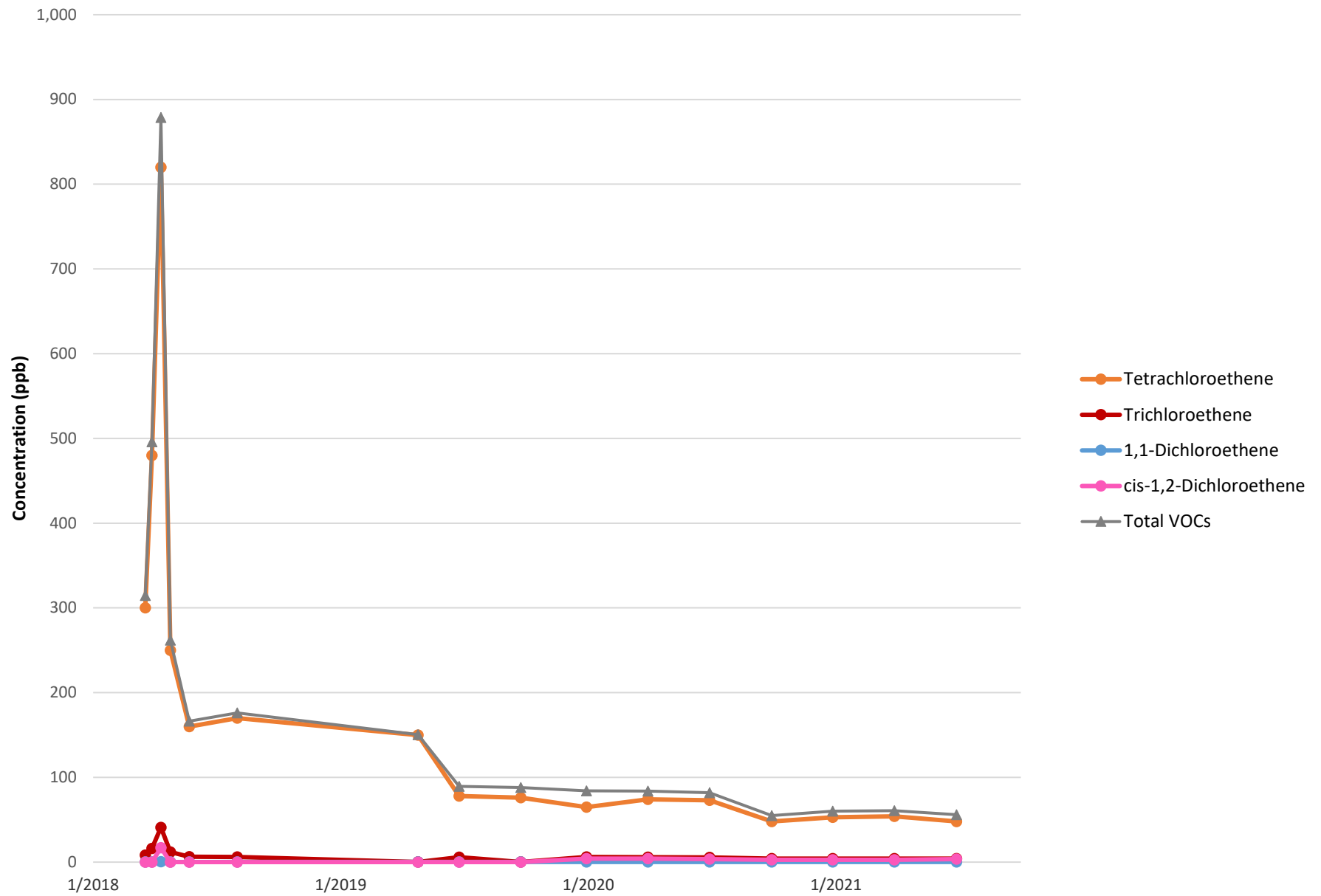
October 05, 2021

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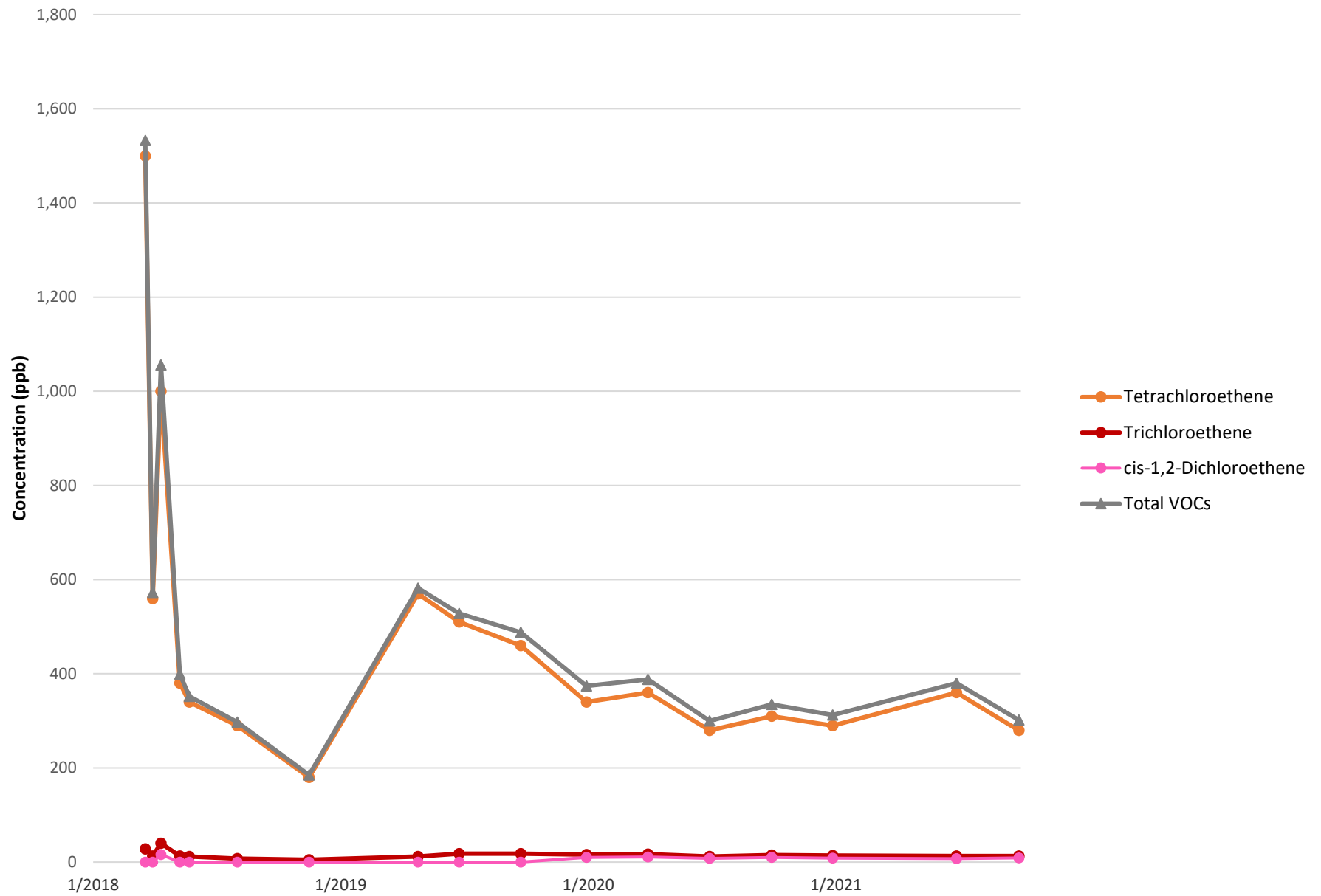
The samples in this delivery group were received at 3.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction Well Sampling
Historical Results

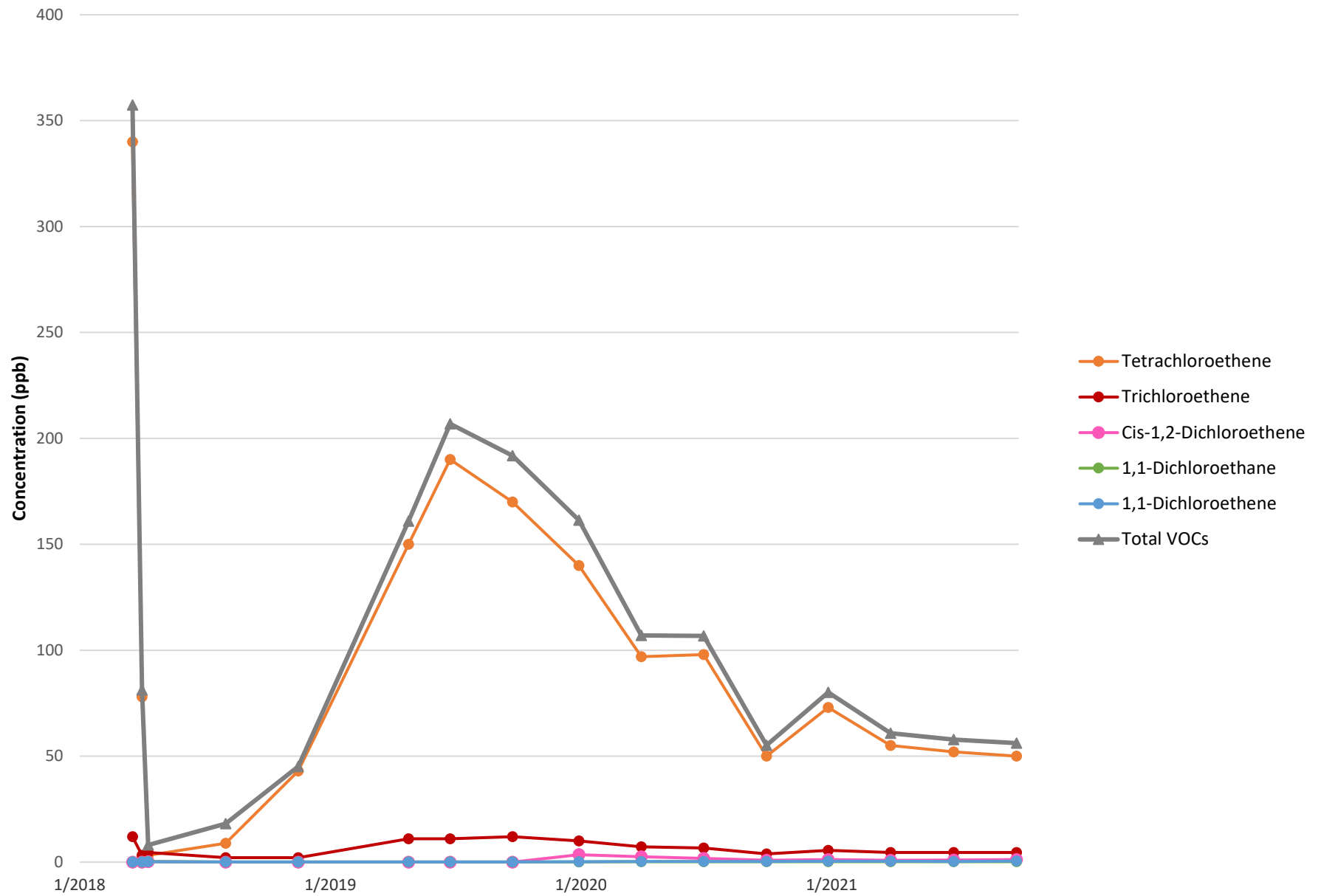
EX-1A



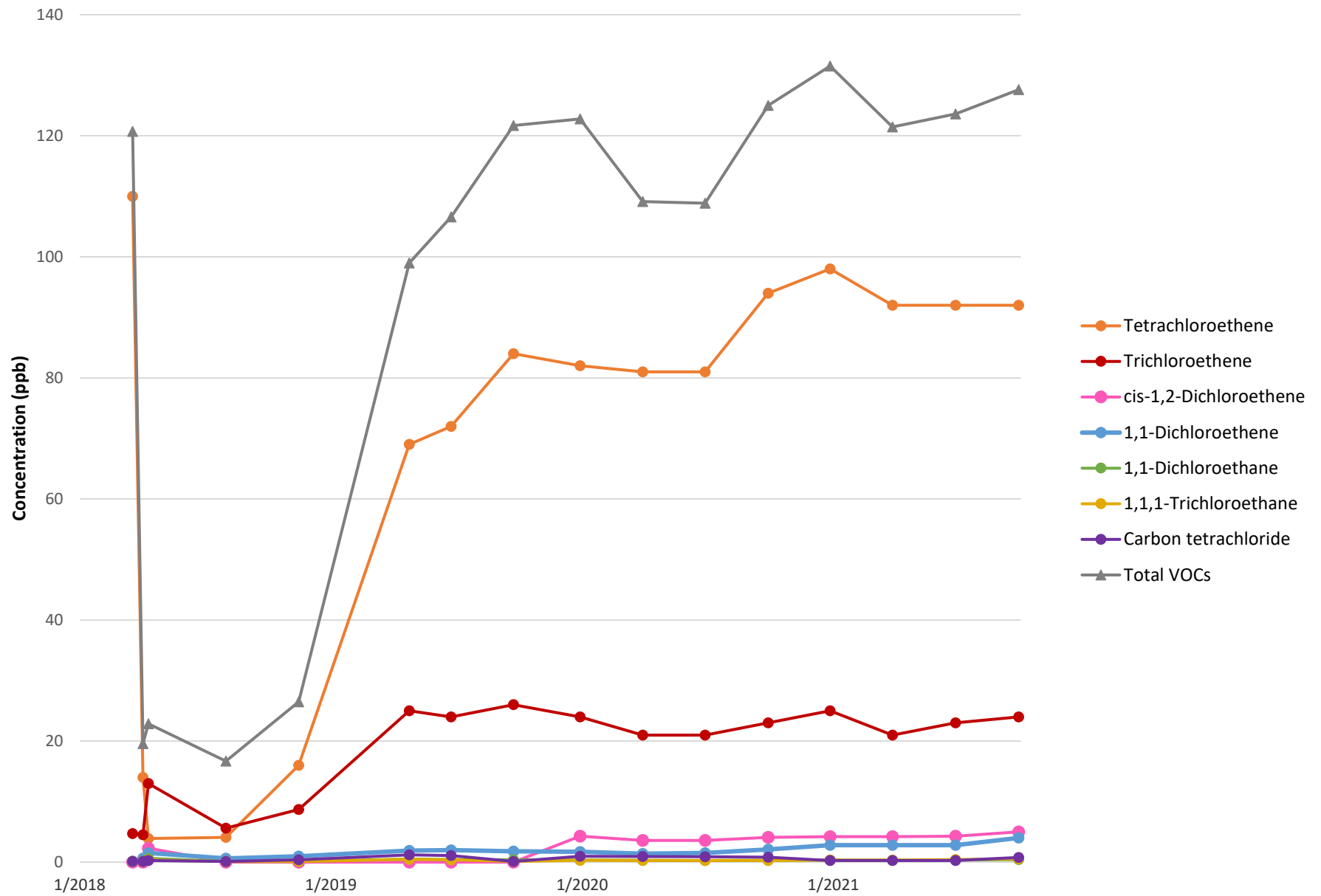
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

