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July 12, 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: June 2021
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 Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in June 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 June 17, 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 [39,779 µg/m^3]) 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/m³)[2]**	**June 2021 Effluent Concentration (µg/m³)**
Trichloroethene	500	19,000	6.12
Tetrachloroethene	1,000	38,000	176
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	424

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 June except for May 29 to June 19 when EX-1B was offline due to a motor lead issue.

Quarterly samples were collected from each operational extraction well on June 30 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**
1,1,1-Trichloroethane	ND	ND	ND	**0.41**
1,1-Dichloroethane	ND	ND	ND	**0.34**
1,1-Dichloroethene	**0.26**	ND	**0.36**	**2.8**
Chloroform	ND	ND	ND	**0.75**
cis-1,2-Dichloroethene	**3.5**	**7.3**	**0.99**	**4.3**
Tetrachloroethene	**48**	**360**	**52**	**92**
Trichloroethene	**4.2**	**13**	**4.5**	**23**
Total VOCs	**55.96**	**380.3**	**57.85**	**123.6**

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 next groundwater monitoring event will be performed in third quarter 2021.

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	*Via email to amtamuno@gw.dec.state.ny.us*
	C. Bethoney, NYSDOH	*Via email to charlotte.bethoney@health.ny.gov*
	J. Nealon, NYSDOH	*Via email to jacquelyn.nealon@health.ny.gov*
	R. Putnam, NCDOH	*Via email to rputnam@nassaucountyny.gov*
	J. Vasquez, U.S. EPA	*Via email to vazquez.julio@epa.gov*
	T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*
	J. Privitera, Esq.	*Via email to jprivitera@woh.com*
	P. Coop, EnSafe	*Via email to pcoop@ensafe.com*
	J. Wilkinson, Envirotrac	*Via email to jamesw@envirotrac.com*

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: 17-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 10:30
Departure Time: 11:30

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)	4500	884	Blower 1 Total Runtime (hrs)	61,556.1
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	62,105.5
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	46		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		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)	46		VGAC-2 Influent PID (ppm)	2.0
VGAC-2 Influent Vacuum ("H2O)	35		VGAC-2 Effluent PID (ppm)	0.0
VGAC-2 Effluent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	45		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Effluent Vacuum ("H2O)	50		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)	42	6500	142	2.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	5.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2900	63	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4600	100	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5900	129	9.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	34	4200	92	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	39	2900	63	0.0

Air Sparge System

Compressor 1 Pressure (psi)	13.5	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	2,674.6	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	220	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	92	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	15.5	AS Manifold Temperature (degF)	86
Air Cooler Outlet Pressure (psi)	13.5	AS Manifold Pressure	12

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	7	10	AS-11 (psi)/(cfm)	15	4
AS-2 (psi)/(cfm)	5	6	AS-12B (psi)/(cfm)	16	13
AS-3 (psi)/(cfm)	16	10	AS-13B (psi)/(cfm)	15	13
AS-4 (psi)/(cfm)	14	4	AS-14 (psi)/(cfm)	16	13
AS-5 (psi)/(cfm)	16	15	AS-15 (psi)/(cfm)	14	10
AS-6 (psi)/(cfm)	16	10	AS-16B (psi)/(cfm)	15	12
AS-7 (psi)/(cfm)	17	8	AS-17 (psi)/(cfm)	16	11
AS-8 (psi)/(cfm)	15	11	AS-18 (psi)/(cfm)	15	10
AS-9 (psi)/(cfm)	15	8	AS-19 (psi)/(cfm)	15	6
AS-10B (psi)/(cfm)	15	10			

Notes, Comments & Observations:

Collected monthly 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: 17-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 10:30
Departure Time: 11:30

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	N	
-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	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
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

PHOENIX
Environmental Laboratories, Inc.

Friday, July 02, 2021

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

Project ID: **ENSAFE WESTBURY**
SDG ID: **GCI59679**
Sample ID#s: CI59679 - CI59680

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,

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

July 02, 2021

SDG I.D.: GCI59679

Project ID: ENSAFE WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CI59679	AIR
SVE INFLUENT	CI59680	AIR

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	06/17/21	11:11
Location Code:	ENVIROTR	Received by:	B	06/22/21	15:03
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	825				

Laboratory Data

SDG ID: GCI59679
Phoenix ID: CI59679

Project ID: ENSAFE WESTBURY
Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/25/21	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	06/25/21	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	06/25/21	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	06/25/21	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	06/25/21	KCA	1	
1,1-Dichloroethene	0.069	*0.051*	0.27	*0.20*	06/25/21	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	06/25/21	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	06/25/21	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	06/25/21	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/25/21	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	06/25/21	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	06/25/21	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	06/25/21	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	06/25/21	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	06/25/21	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/25/21	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	06/25/21	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	06/25/21	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	06/25/21	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	06/25/21	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	06/25/21	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	06/25/21	KCA	1	
Acetone	5.24	*0.421*	12.4	*1.00*	06/25/21	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	06/25/21	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	06/25/21	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	06/25/21	KCA	1	

Project ID: ENSAFE WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CI59679

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	06/25/21	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	06/25/21	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	06/25/21	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	06/25/21	KCA	1	
Carbon Tetrachloride	ND	*0.032*	ND	*0.20*	06/25/21	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	06/25/21	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	06/25/21	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	06/25/21	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	06/25/21	KCA	1	
Cis-1,2-Dichloroethene	107	*0.505*	424	*2.00*	06/25/21	KCA	10	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	06/25/21	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	06/25/21	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	06/25/21	KCA	1	
Dichlorodifluoromethane	0.642	*0.202*	3.17	*1.00*	06/25/21	KCA	1	
Ethanol	2.95	*0.531*	5.55	*1.00*	06/25/21	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	06/25/21	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	06/25/21	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	06/25/21	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	06/25/21	KCA	1	
Hexane	0.431	*0.284*	1.52	*1.00*	06/25/21	KCA	1	
Isopropylalcohol	1.25	*0.407*	3.07	*1.00*	06/25/21	KCA	1	
Isopropylbenzene	0.204	*0.204*	1.00	*1.00*	06/25/21	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	06/25/21	KCA	1	
Methyl Ethyl Ketone	2.62	*0.339*	7.72	*1.00*	06/25/21	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	06/25/21	KCA	1	
Methylene Chloride	1.65	*0.864*	5.73	*3.00*	06/25/21	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	06/25/21	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	06/25/21	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	06/25/21	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	06/25/21	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	06/25/21	KCA	1	
Tetrachloroethene	25.9	*0.037*	176	*0.25*	06/25/21	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	06/25/21	KCA	1	1
Toluene	0.822	*0.266*	3.10	*1.00*	06/25/21	KCA	1	
Trans-1,2-Dichloroethene	1.13	*0.252*	4.48	*1.00*	06/25/21	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	06/25/21	KCA	1	
Trichloroethene	1.14	*0.037*	6.12	*0.20*	06/25/21	KCA	1	
Trichlorofluoromethane	0.192	*0.178*	1.08	*1.00*	06/25/21	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	06/25/21	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	06/25/21	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	106	*%*	106	*%*	06/25/21	KCA	1	
% IS-1,4-Difluorobenzene	92	*%*	92	*%*	06/25/21	KCA	1	
% IS-Bromochloromethane	95	*%*	95	*%*	06/25/21	KCA	1	
% IS-Chlorobenzene-d5	93	*%*	93	*%*	06/25/21	KCA	1	
% Bromofluorobenzene (10x)	105	*%*	105	*%*	06/25/21	KCA	10	
% IS-1,4-Difluorobenzene (10x)	96	*%*	96	*%*	06/25/21	KCA	10	
% IS-Bromochloromethane (10x)	98	*%*	98	*%*	06/25/21	KCA	10	
% IS-Chlorobenzene-d5 (10x)	96	*%*	96	*%*	06/25/21	KCA	10	

Ver 1

Project ID: ENSAFE WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CI59679

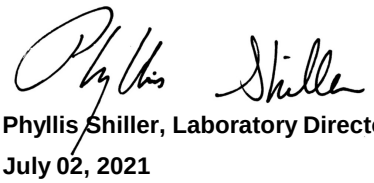
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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:

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

July 02, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 02, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	06/17/21	11:16
Location Code:	ENVIROTR	Received by:	B	06/22/21	15:03
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	734				

Laboratory Data

SDG ID: GCI59679
Phoenix ID: CI59680

Project ID: ENSAFE WESTBURY
Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*1.46*	ND	*10.0*	06/24/21	KCA	10	1
1,1,1-Trichloroethane	ND	*1.83*	ND	*10.0*	06/24/21	KCA	10	
1,1,2,2-Tetrachloroethane	ND	*1.46*	ND	*10.0*	06/24/21	KCA	10	
1,1,2-Trichloroethane	ND	*1.83*	ND	*10.0*	06/24/21	KCA	10	
1,1-Dichloroethane	ND	*2.47*	ND	*10.0*	06/24/21	KCA	10	
1,1-Dichloroethene	ND	*0.505*	ND	*2.00*	06/24/21	KCA	10	
1,2,4-Trichlorobenzene	ND	*1.35*	ND	*10.0*	06/24/21	KCA	10	
1,2,4-Trimethylbenzene	ND	*2.04*	ND	*10.0*	06/24/21	KCA	10	
1,2-Dibromoethane(EDB)	ND	*1.30*	ND	*10.0*	06/24/21	KCA	10	
1,2-Dichlorobenzene	ND	*1.66*	ND	*10.0*	06/24/21	KCA	10	
1,2-Dichloroethane	ND	*2.47*	ND	*10.0*	06/24/21	KCA	10	
1,2-dichloropropane	ND	*2.17*	ND	*10.0*	06/24/21	KCA	10	
1,2-Dichlorotetrafluoroethane	ND	*1.43*	ND	*10.0*	06/24/21	KCA	10	
1,3,5-Trimethylbenzene	ND	*2.04*	ND	*10.0*	06/24/21	KCA	10	
1,3-Butadiene	ND	*4.52*	ND	*10.0*	06/24/21	KCA	10	
1,3-Dichlorobenzene	ND	*1.66*	ND	*10.0*	06/24/21	KCA	10	
1,4-Dichlorobenzene	ND	*1.66*	ND	*10.0*	06/24/21	KCA	10	
1,4-Dioxane	ND	*2.78*	ND	*10.0*	06/24/21	KCA	10	
2-Hexanone(MBK)	ND	*2.44*	ND	*10.0*	06/24/21	KCA	10	1
4-Ethyltoluene	ND	*2.04*	ND	*10.0*	06/24/21	KCA	10	1
4-Isopropyltoluene	ND	*1.82*	ND	*10.0*	06/24/21	KCA	10	1
4-Methyl-2-pentanone(MIBK)	ND	*2.44*	ND	*10.0*	06/24/21	KCA	10	
Acetone	ND	*4.21*	ND	*10.0*	06/24/21	KCA	10	
Acrylonitrile	ND	*4.61*	ND	*10.0*	06/24/21	KCA	10	
Benzene	ND	*3.13*	ND	*10.0*	06/24/21	KCA	10	
Benzyl chloride	ND	*1.93*	ND	*10.0*	06/24/21	KCA	10	

Project ID: ENSAFE WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CI59680

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*1.49*	ND	*10.0*	06/24/21	KCA	10	
Bromoform	ND	*0.968*	ND	*10.0*	06/24/21	KCA	10	
Bromomethane	ND	*2.58*	ND	*10.0*	06/24/21	KCA	10	
Carbon Disulfide	ND	*3.21*	ND	*10.0*	06/24/21	KCA	10	
Carbon Tetrachloride	ND	*0.318*	ND	*2.00*	06/24/21	KCA	10	
Chlorobenzene	ND	*2.17*	ND	*10.0*	06/24/21	KCA	10	
Chloroethane	ND	*3.79*	ND	*10.0*	06/24/21	KCA	10	
Chloroform	ND	*2.05*	ND	*10.0*	06/24/21	KCA	10	
Chloromethane	ND	*4.85*	ND	*10.0*	06/24/21	KCA	10	
Cis-1,2-Dichloroethene	121	*0.505*	479	*2.00*	06/24/21	KCA	10	
cis-1,3-Dichloropropene	ND	*2.20*	ND	*10.0*	06/24/21	KCA	10	
Cyclohexane	ND	*2.91*	ND	*10.0*	06/24/21	KCA	10	
Dibromochloromethane	ND	*1.17*	ND	*10.0*	06/24/21	KCA	10	
Dichlorodifluoromethane	ND	*2.02*	ND	*10.0*	06/24/21	KCA	10	
Ethanol	12.2	*5.31*	23.0	*10.0*	06/24/21	KCA	10	1
Ethyl acetate	ND	*2.78*	ND	*10.0*	06/24/21	KCA	10	1
Ethylbenzene	ND	*2.30*	ND	*10.0*	06/24/21	KCA	10	
Heptane	ND	*2.44*	ND	*10.0*	06/24/21	KCA	10	
Hexachlorobutadiene	ND	*0.938*	ND	*10.0*	06/24/21	KCA	10	
Hexane	ND	*2.84*	ND	*10.0*	06/24/21	KCA	10	
Isopropylalcohol	ND	*4.07*	ND	*10.0*	06/24/21	KCA	10	
Isopropylbenzene	ND	*2.04*	ND	*10.0*	06/24/21	KCA	10	
m,p-Xylene	ND	*2.30*	ND	*10.0*	06/24/21	KCA	10	
Methyl Ethyl Ketone	ND	*3.39*	ND	*10.0*	06/24/21	KCA	10	
Methyl tert-butyl ether(MTBE)	ND	*2.78*	ND	*10.0*	06/24/21	KCA	10	
Methylene Chloride	ND	*8.64*	ND	*30.0*	06/24/21	KCA	10	
n-Butylbenzene	ND	*1.82*	ND	*10.0*	06/24/21	KCA	10	1
o-Xylene	ND	*2.30*	ND	*10.0*	06/24/21	KCA	10	
Propylene	ND	*5.81*	ND	*10.0*	06/24/21	KCA	10	1
sec-Butylbenzene	ND	*1.82*	ND	*10.0*	06/24/21	KCA	10	1
Styrene	ND	*2.35*	ND	*10.0*	06/24/21	KCA	10	
Tetrachloroethene	5590	*5.90*	37900	*40.0*	06/25/21	KCA	160	
Tetrahydrofuran	ND	*3.39*	ND	*10.0*	06/24/21	KCA	10	1
Toluene	ND	*2.66*	ND	*10.0*	06/24/21	KCA	10	
Trans-1,2-Dichloroethene	ND	*2.52*	ND	*10.0*	06/24/21	KCA	10	
trans-1,3-Dichloropropene	ND	*2.20*	ND	*10.0*	06/24/21	KCA	10	
Trichloroethene	260	*0.372*	1400	*2.00*	06/24/21	KCA	10	
Trichlorofluoromethane	ND	*1.78*	ND	*10.0*	06/24/21	KCA	10	
Trichlorotrifluoroethane	ND	*1.31*	ND	*10.0*	06/24/21	KCA	10	
Vinyl Chloride	ND	*0.783*	ND	*2.00*	06/24/21	KCA	10	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (10x)	101	%	101	%	06/24/21	KCA	10	
% IS-1,4-Difluorobenzene (10x)	96	%	96	%	06/24/21	KCA	10	
% IS-Bromochloromethane (10x)	98	%	98	%	06/24/21	KCA	10	
% IS-Chlorobenzene-d5 (10x)	97	%	97	%	06/24/21	KCA	10	
% Bromofluorobenzene (80x)	100	%	100	%	06/25/21	KCA	80	
% IS-1,4-Difluorobenzene (80x)	94	%	94	%	06/25/21	KCA	80	
% IS-Bromochloromethane (80x)	97	%	97	%	06/25/21	KCA	80	
% IS-Chlorobenzene-d5 (80x)	93	%	93	%	06/25/21	KCA	80	

Ver 1

Project ID: ENSAFE WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CI59680

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% Bromofluorobenzene (160x)	102	%	102	%	06/25/21	KCA	160
% IS-1,4-Difluorobenzene (160x)	97	%	97	%	06/25/21	KCA	160
% IS-Bromochloromethane (160x)	98	%	98	%	06/25/21	KCA	160
% IS-Chlorobenzene-d5 (160x)	96	%	96	%	06/25/21	KCA	160

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:

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
July 02, 2021
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Canister Sampling Information

July 02, 2021

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

Location Code: ENVIROTR

SDG I.D.: GCI59679

Project ID: ENSAFE WESTBURY

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE EFFLUENT	CI59679	825	1.4L		06/10/21	-30	-10		\B SAM				06/17/21 11:10	06/17/21 11:11
SVE INFLUENT	CI59680	734	1.4L		06/10/21	-30	-5		\B SAM				06/17/21 11:15	06/17/21 11:16

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 02, 2021

QA/QC Data

SDG I.D.: GCI59679

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 581125 (ppbv), QC Sample No: CI59679 (CI59679 (10X) , CI59680 (160X))												
Volatiles												
Cis-1,2-Dichloroethene	ND	0.500	ND	1.98		424	383	107	96.7	10.1	70 - 130	25
Tetrachloroethene	ND	0.370	ND	2.51		174	173	25.7	25.5	0.8	70 - 130	25
% Bromofluorobenzene	101		101			105	101	105	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	103	%	103	%		96	97	96	97	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%		98	99	98	99	NC	60 - 140	25
% IS-Chlorobenzene-d5	102	%	102	%		96	99	96	99	NC	60 - 140	25
QA/QC Batch 581108 (ppbv), QC Sample No: CI62321 (CI59679, CI59680 (10X, 80X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	122	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	108	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	109	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	104	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	121	1.11	1.08	0.225	0.220	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	120	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	120	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	123	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	126	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	78	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	87	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	120	1.07	1.08	0.217	0.219	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	120	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	92	6.62	7.15	2.79	3.01	7.6	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	96	1.38	1.44	0.431	0.452	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	138	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	114	0.53	0.55	0.084	0.088	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	117	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCI59679

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
Chloroform	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	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	97	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	119	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	111	ND	2.61	ND	0.529	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	84	119 E	127	63.0 E	67.4	6.7	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	113	1.02	1.00	0.235	0.231	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	89	1.44	1.36	0.410	0.386	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	99	46.9	49.6	19.1	20.2	5.6	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	128	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	118	3.60	3.51	0.830	0.808	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	83	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	92	3.51	ND	1.01	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	117	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	114	1.14	1.13	0.262	0.261	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	117	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	124	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	122	1.19	0.98	0.175	0.145	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	105	5.24	5.16	1.39	1.37	1.4	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	113	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	115	1.58	1.66	0.281	0.296	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	98	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	100	%	100	%	104	103	102	103	102	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	101	92	90	92	90	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	100	96	92	96	92	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	103	91	90	91	90	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
July 02, 2021

Friday, July 02, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI59679 - 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.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

July 02, 2021 SDG I.D.: GCI59679

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

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☐ Email: jamesw@envirotrac.com
☐ Phone #:

Report to: James Wilkinson	Project Name: EnSafe - Westbury	Data Format: (Circle) Equis Excel Other: pdf
Customer: EnviroTrac	Invoice to: EnviroTrac	Requested Deliverable: RCP ASP CAT B
Address: 50 Old Dock Rd		MCP NJ Deliverables
Yaphank, NY	Sampled by: Jim Wilkinson	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
59079	SVE Effluent	825	104	-30	-10	NA	NA	11:10	11:11	6/17					G		
59080	SVE Influent	734	104	-30	-5	NA	NA	11:15	11:16	6/17					G		

Relinquished by:	Accepted by:	Date:	Time:
		6-22-21	9:47
		6-22-21	1503

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(2) (1old) (GRAB)

Turnaround Time:
- 1 Day ☐
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☐

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion	**Indoor Air** Residential Non-residential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial

Appendix C
Groundwater Extraction System Water Samples
Laboratory Analytical Results

Wednesday, July 07, 2021

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

Project ID: **FROST STREET-OU2**
SDG ID: **GCI65399**
Sample ID#s: **CI65399 - CI65402**

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,

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

NY # 11301

Sample Id Cross Reference

July 07, 2021

SDG I.D.: GCI65399

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CI65399	GROUND WATER
EX-1B	CI65400	GROUND WATER
EX-1C	CI65401	GROUND WATER
EX-1D	CI65402	GROUND WATER

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 07, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/21	8:05
Location Code:	ENVIROTR	Received by:	SW	06/30/21	15:12
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI65399
Phoenix ID: CI65399

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

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	07/02/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethene	0.26	J	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Benzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	07/02/21	MH	E624.1
Carbon tetrachloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroform	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,2-Dichloroethene	3.5		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	07/02/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	07/02/21	MH	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1

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

Phoenix I.D.: CI65399

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/02/21	MH	E624.1
Tetrachloroethene	48	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Trichloroethene	4.2	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	07/02/21	MH	70 - 130 %
% Bromofluorobenzene	100			%	1	07/02/21	MH	70 - 130 %
% Dibromofluoromethane	120			%	1	07/02/21	MH	70 - 130 %
% Toluene-d8	99			%	1	07/02/21	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 Limit1
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:

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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
July 07, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 07, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/21	8:10
Location Code:	ENVIROTR	Received by:	SW	06/30/21	15:12
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI65399
Phoenix ID: CI65400

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	07/02/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/02/21	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,2-Dichloroethene	7.3	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/02/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/02/21	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1

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

Phoenix I.D.: CI65400

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/02/21	MH	E624.1
Tetrachloroethene	360	5.0	2.5	ug/L	10	07/03/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Trichloroethene	13	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	07/02/21	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	07/02/21	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	07/02/21	MH	70 - 130 %
% Toluene-d8	97			%	1	07/02/21	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	100			%	10	07/03/21	MH	70 - 130 %
% Bromofluorobenzene (10x)	96			%	10	07/03/21	MH	70 - 130 %
% Dibromofluoromethane (10x)	95			%	10	07/03/21	MH	70 - 130 %
% Toluene-d8 (10x)	96			%	10	07/03/21	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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Phyllis Shiller, Laboratory Director
July 07, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 07, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/21	8:20
Location Code:	ENVIROTR	Received by:	SW	06/30/21	15:12
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI65399
Phoenix ID: CI65401

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	07/02/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethene	0.36	J	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Benzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	07/02/21	MH	E624.1
Carbon tetrachloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroform	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,2-Dichloroethene	0.99		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	07/02/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	07/02/21	MH	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1

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

Phoenix I.D.: CI65401

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/02/21	MH	E624.1
Tetrachloroethene	52	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Trichloroethene	4.5	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	07/02/21	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	07/02/21	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	07/02/21	MH	70 - 130 %
% Toluene-d8	97			%	1	07/02/21	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 Limit1
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:

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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Phyllis Shiller, Laboratory Director
July 07, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 07, 2021

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/21	8:30
Location Code:	ENVIROTR	Received by:	SW	06/30/21	15:12
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI65399
Phoenix ID: CI65402

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	0.41	J	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethane	0.34	J	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,1-Dichloroethene	2.8		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Benzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	07/02/21	MH	E624.1
Carbon tetrachloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloroform	0.75		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,2-Dichloroethene	4.3		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	07/02/21	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	07/02/21	MH	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	07/02/21	MH	E624.1

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

Phoenix I.D.: CI65402

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	1.0	1.0	ug/L	1	07/02/21	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/02/21	MH	E624.1
Tetrachloroethene	92	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/02/21	MH	E624.1
Trichloroethene	23	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/02/21	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	07/02/21	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	07/02/21	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	07/02/21	MH	70 - 130 %
% Toluene-d8	97			%	1	07/02/21	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 Limit1
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:

624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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
July 07, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 07, 2021

QA/QC Data

SDG I.D.: GCI65399

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 582326 (ug/L), QC Sample No: CI65399 (CI65399, CI65400, CI65401, CI65402)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	95	96	1.0	95	95	0.0	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	103	102	1.0	104	101	2.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	101	104	2.9	105	101	3.9	71 - 129	20
1,1-Dichloroethane	ND	1.0	97	98	1.0	100	97	3.0	72 - 128	20
1,1-Dichloroethene	ND	1.0	93	93	0.0	91	95	4.3	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	103	103	0.0	101	101	0.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	102	104	1.9	108	103	4.7	68 - 132	20
1,2-Dichloropropane	ND	1.0	100	102	2.0	101	100	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	101	102	1.0	99	100	1.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	102	102	0.0	102	101	1.0	63 - 137	20
Benzene	ND	0.70	101	102	1.0	98	100	2.0	64 - 136	20
Bromodichloromethane	ND	0.50	97	98	1.0	99	96	3.1	65 - 135	20
Bromoform	ND	1.0	94	94	0.0	94	91	3.2	71 - 129	20
Bromomethane	ND	1.0	94	95	1.1	87	89	2.3	40 - 160	20
Carbon tetrachloride	ND	1.0	98	98	0.0	81	83	2.4	73 - 127	20
Chlorobenzene	ND	1.0	104	104	0.0	101	103	2.0	66 - 134	20
Chloroethane	ND	1.0	88	87	1.1	89	85	4.6	40 - 160	20
Chloroform	ND	1.0	98	99	1.0	104	99	4.9	67 - 133	20
Chloromethane	ND	1.0	80	82	2.5	80	79	1.3	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	98	101	3.0	102	97	5.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	98	99	1.0	99	95	4.1	40 - 160	20
Dibromochloromethane	ND	0.50	99	98	1.0	98	96	2.1	67 - 133	20
Ethylbenzene	ND	1.0	101	101	0.0	97	100	3.0	59 - 141	20
m&p-Xylene	ND	1.0	101	100	1.0	96	99	3.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	94	94	0.0	104	95	9.0	70 - 130	30
Methylene chloride	ND	1.0	107	108	0.9	117	110	6.2	60 - 140	20
Naphthalene	ND	1.0	103	105	1.9	102	102	0.0	70 - 130	30
o-Xylene	ND	1.0	98	100	2.0	96	97	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	100	2.0	91	98	7.4	73 - 127	20
Toluene	ND	1.0	101	102	1.0	98	101	3.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	101	103	2.0	104	104	0.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	96	97	1.0	96	93	3.2	50 - 150	20
Trichloroethene	ND	1.0	102	104	1.9	97	101	4.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	90	90	0.0	90	92	2.2	48 - 152	20
Vinyl chloride	ND	1.0	80	79	1.3	75	80	6.5	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	100	100	0.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	%	98	97	1.0	100	97	3.0	70 - 130	30
% Dibromofluoromethane	99	%	99	99	0.0	107	99	7.8	70 - 130	30
% Toluene-d8	97	%	98	98	0.0	98	98	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GCI65399

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 582325 (ug/L), QC Sample No: CI67283 (CI65400 (10X))										
Volatiles - Ground Water										
Tetrachloroethene	ND	1.0	84	96	13.3	102	97	5.0	73 - 127	20
% 1,2-dichlorobenzene-d4	99	%	101	102	1.0	100	101	1.0	70 - 130	30
% Bromofluorobenzene	96	%	101	97	4.0	98	97	1.0	70 - 130	30
% Dibromofluoromethane	98	%	123	104	16.7	96	99	3.1	70 - 130	30
% Toluene-d8	96	%	100	98	2.0	97	97	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
July 07, 2021

Wednesday, July 07, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI65399 - 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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

July 07, 2021 SDG I.D.: GCI65399

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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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

July 07, 2021

SDG I.D.: GCI65399

The samples in this delivery group were received at 3.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 3.1 °C Pg of

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☒ Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU2
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 6/30/21

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs EPA 624.1 + cis 1,2-dichloroethene	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
65399	EX-1A	GW	6/30/2021	800	X				3							
65400	EX-1B	GW	6/30/2021	810	X				3							
65401	EX-1C	GW	6/30/2021	820	X				3							
65402	EX-1D	GW	6/30/2021	830	X				3							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	6/30/21	1132
		6-30-21	1512

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

Bobbi Aloisa

From: Bobbi Aloisa
Sent: Thursday, July 01, 2021 6:44 PM
To: James Wilkinson, PE
Cc: Bobbi Aloisa
Subject: Frost Street 624 issue
Attachments: GCI65399-ChainofCustody-1.pdf

Hi James

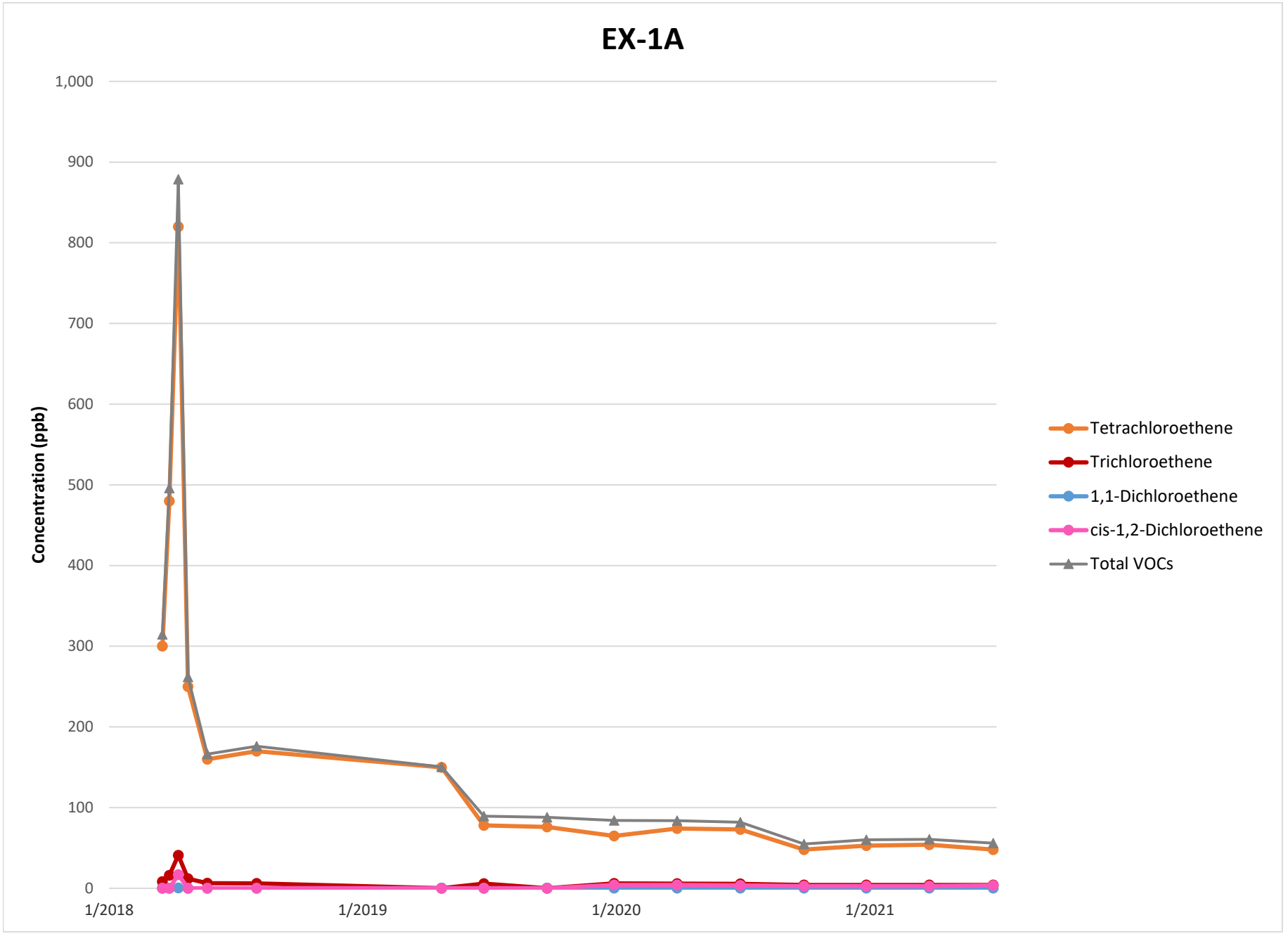
We can't report the following compounds (listed below) on the attached chain for samples CI42460 that required 624 because we did not receive 2 "as is" vials in addition to the HCL for the sample that is being requested for 624 VOC's. We need 2 "as is" vials and 3 "hcl" vials when running samples for method 624. If these compounds are not constituents of concern then it might not be a problem. Please see below.

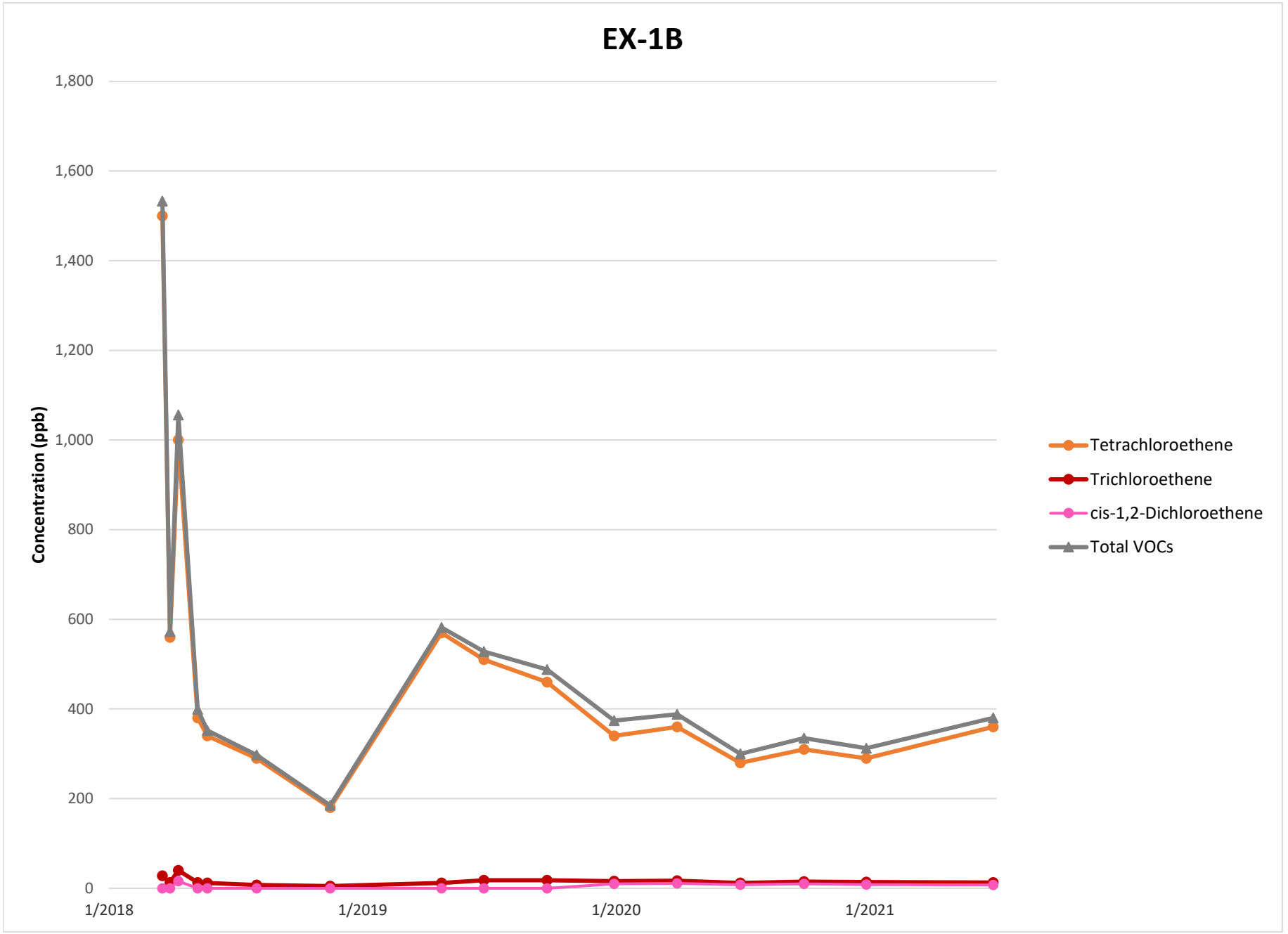
624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial

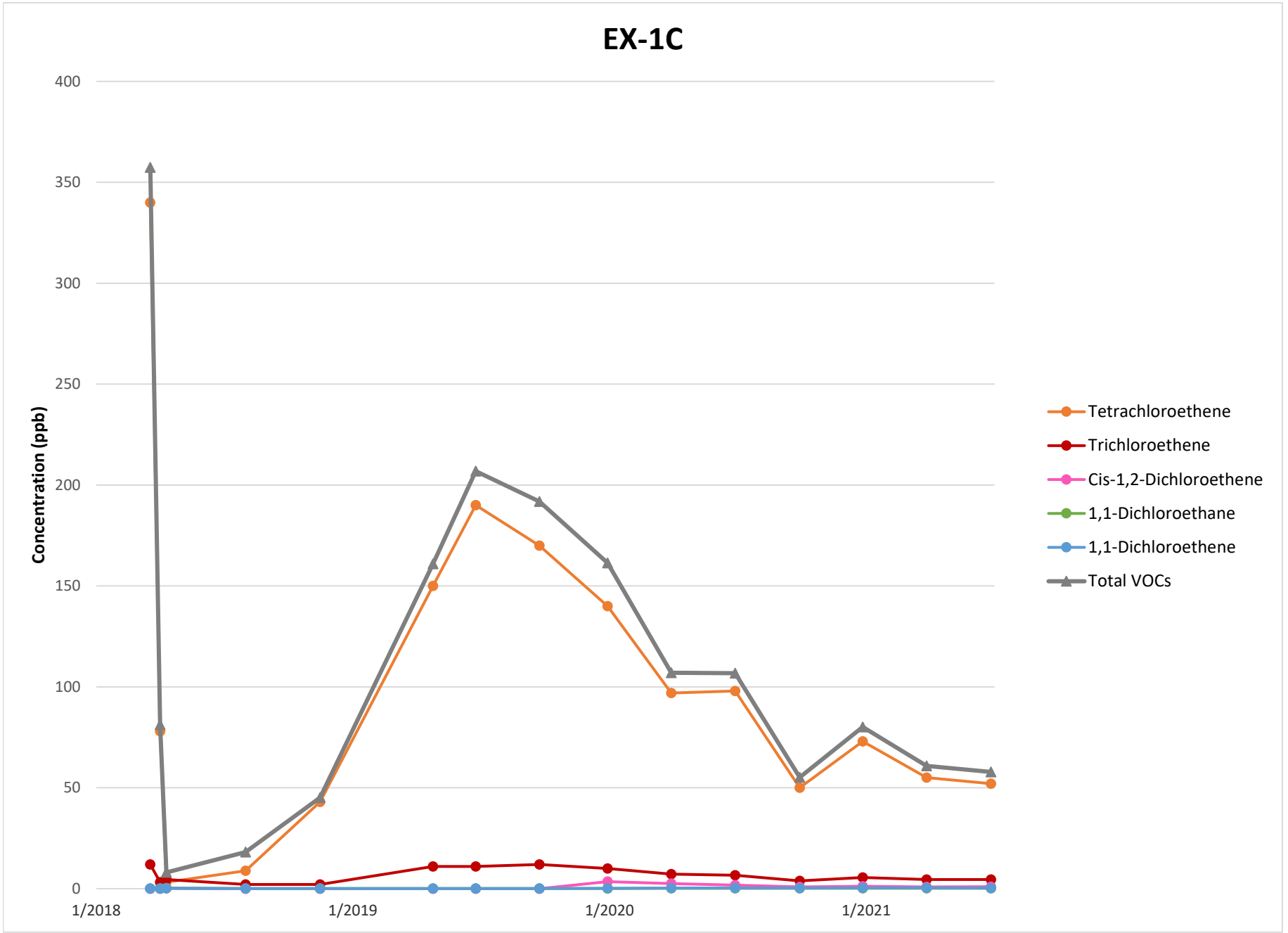
Please LMK if you have any questions.

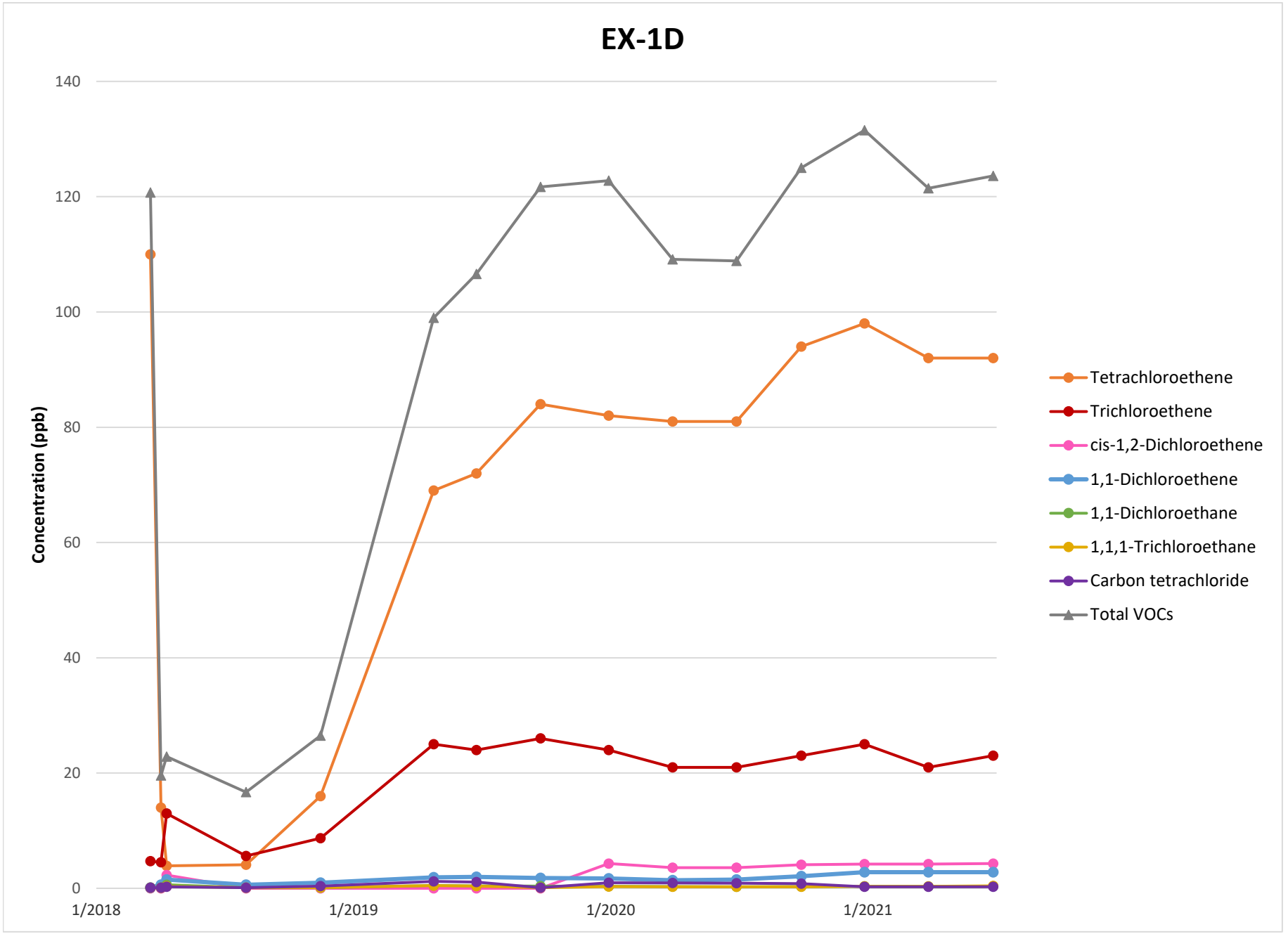
Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

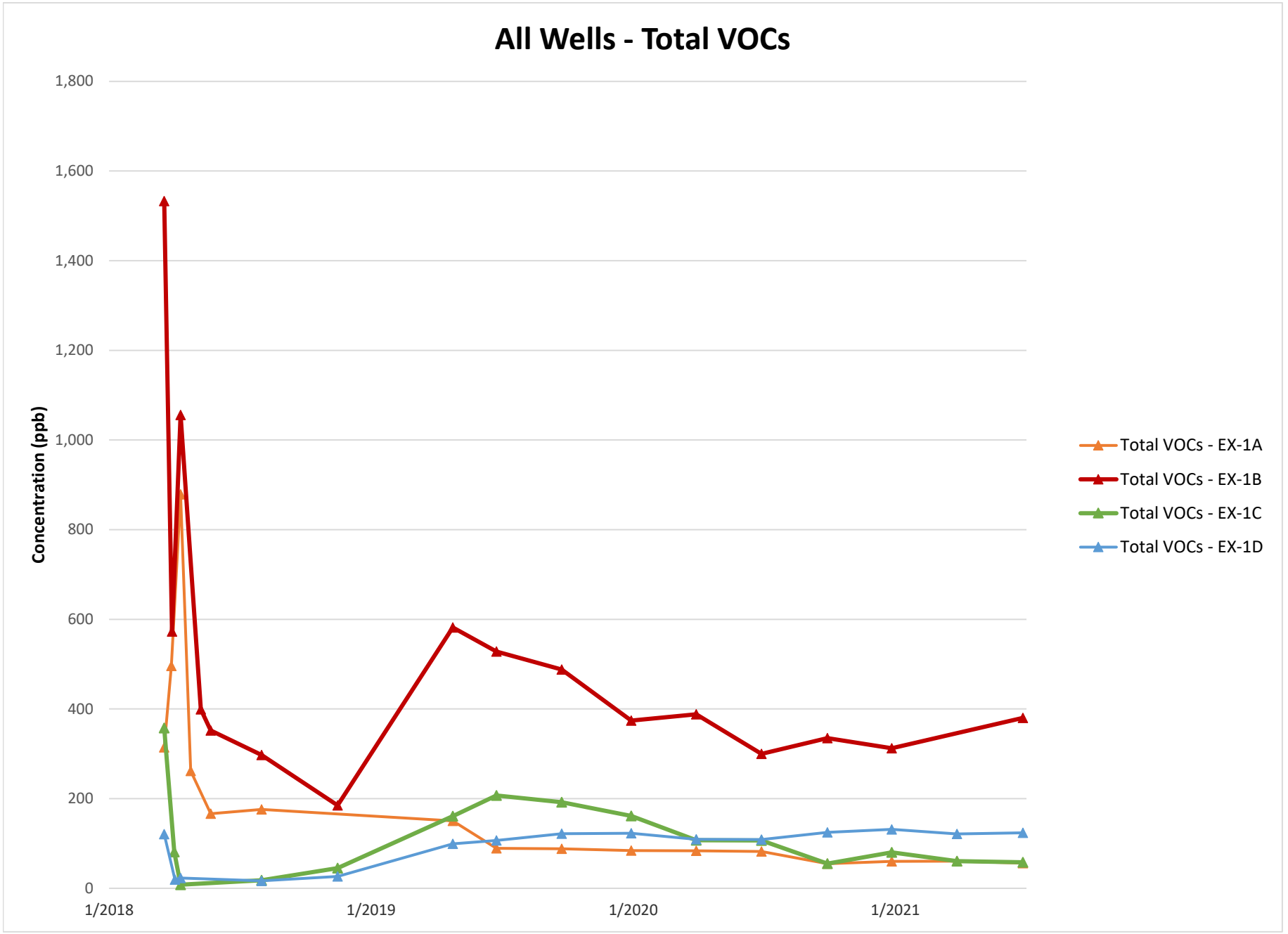
Appendix D
Groundwater Extraction Well Sampling
Historical Results


EX-1A
Concentration (ppb)
1,000
900
800
700
600
500
400
300
200
100
0
1/2018
1/2019
1/2020
1/2021
Tetrachloroethene
Trichloroethene
1,1-Dichloroethene
cis-1,2-Dichloroethene
Total VOCs


EX-1B
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
Total VOCs


EX-1C
Concentration (ppb)
400
350
300
250
200
150
100
50
0
1/2018
1/2019
1/2020
1/2021
Tetrachloroethene
Trichloroethene
Cis-1,2-Dichloroethene
1,1-Dichloroethane
1,1-Dichloroethene
Total VOCs


EX-1D
Concentration (ppb)
140
120
100
80
60
40
20
0
1/2018
1/2019
1/2020
1/2021
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
1,1-Dichloroethane
1,1,1-Trichloroethane
Carbon tetrachloride
Total VOCs


All Wells - Total VOCs
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
Total VOCs - EX-1A
Total VOCs - EX-1B
Total VOCs - EX-1C
Total VOCs - EX-1D