ENSAFE
creative thinking. custom solutions. ®

October 10, 2023

Mr. Christopher Aucoin, PhD
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: Christopher.Aucoin@dec.ny.gov

Re: Progress Report: September 2023
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

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 2023 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). During the month of September, no alarm calls were received.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on September 8. Samples were obtained by EnviroTrac and results are included in Appendix B. Samples were collected in Summa canisters via tedlar bags that were filled directly from system sample ports. These samples were submitted to Con-Test (Pace Analytical Laboratories) and analyzed by Method TO-15.

  — Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [4,195 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 ($\mu g/m^3$)[2]**	**September 2023 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	5.7
Tetrachloroethene	1,000	38,000	25
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	270

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

$\mu g/m^3$ 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 to demonstrate 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.

- During site reconnaissance on September 18, it was determined that low pressure in air sparge wells AS-1, AS-2, and AS-3 is likely due to break(s) along the subsurface piping from the system trailer to the wells. Repairs are scheduled for October 2023.

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. To date, over 396 million gallons of water have been removed by this system.

Quarterly samples were collected from each operational extraction well on September 29 and analyzed for volatile organic compounds (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	1.1
1,1-Dichloroethane	ND	ND	ND	0.75
1,1-Dichloroethene	ND	ND	0.5	8.6
Carbon Tetrachloride	ND	ND	ND	0.69
Chloroform	ND	ND	ND	1.4
cis-1,2-Dichloroethene	1.7	15	0.68	4.5
Tetrachloroethene	39	120	25	97
Trichloroethene	3.4	6.2	3	25
Total VOCs	**44.1**	**141.2**	**29.18**	**139**

The groundwater extraction system was installed and is currently operated based on the NYSDEC-approved design. Based on monitoring well data, operation of this system has reduced offsite downgradient groundwater concentrations by up to 99% since system startup. Extracted groundwater concentrations have decreased since system startup and concentrations have remained stable since 2019 except for EX-1B, which continued to measurably decrease until stabilizing in late 2022.

This performance and subsequent groundwater improvement caused U.S. EPA to reduce the scope of remediation required in the downgradient Superfund Site. Specifically, U.S. EPA removed the requirement to remediate groundwater in the vicinity of the Frost Street Sites offsite monitoring wells FSMW-13 and FSMW-14 that are immediately downgradient of, and influenced by, this groundwater extraction system (Appendix E). Specifically, that is because the groundwater extraction system reduced concentrations at these wells to below (or very close to at FSMW-14B) the U.S. EPA action level of 100 µg/L total VOCs.

The above demonstrates that the current pumping rates prevent plume migration from the Frost Street Sites to the downgradient Superfund Site, on which FSMW-13 and FSMW-14 are located. Groundwater data and system performance do not support NYSDEC's comment that the groundwater extraction system requires increased flow rates/modification.

Groundwater Sampling

The fourth quarter 2023 groundwater sampling event is planned for October 2023.

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 M. J. Stark

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. Vazquez, U.S. EPA	*Via email to vazquez.julio@epa.gov*
	T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*

J. Privitera, Esq., WOH	*Via email to jprivitera@woh.com*
T. Ruane, WOH	*Via email to truane@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: 8-Sep
Weather / Temp: Cloudy / 85 DEG
Technician / Operator: JW

Arrival Time: 10:00
Departure Time: 11:30

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	ON	AS Compressor 1 (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	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)	3800	746	Blower 1 Total Runtime (hrs)	71,392.3
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	71,011.7
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	51		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		VGAC-1 Influent PID (ppm)	1
VGAC-1 Influent Vacuum ("H2O)	40		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	44		VGAC-2 Influent PID (ppm)	1
VGAC-2 Influent Vacuum ("H2O)	42		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	44		VGAC-3 Influent PID (ppm)	0
VGAC-3 Influent Vacuum ("H2O)	44		VGAC-3 Effluent PID (ppm)	0
VGAC-3 Effluent Vacuum ("H2O)	50		Blower Effluent PID (ppm)	0
VGAC-3 Influent Temp (DegF)	-		Transfer Pump Total Runtime (hrs)	25,100.4
Blower Effluent Pressure ("H2O)	7		Condensate Storage Tank Level (gal)	50

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	44	6500	142	4	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	37	4000	87	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	1	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2900	63	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4600	100	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	42	6000	131	3
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	35	3400	74	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	2900	63	0

Air Sparge System

Compressor 1 Pressure (psi)	13.5	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	20,579.4	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	200	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	98	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	12.5	AS Manifold Temperature (degF)	98
Air Cooler Outlet Pressure (psi)	10.5	AS Manifold Pressure	13

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	2	13	AS-11 (psi)/(cfm)	14	7
AS-2 (psi)/(cfm)	0	14	AS-12B (psi)/(cfm)	15	10
AS-3 (psi)/(cfm)	0	10	AS-13B (psi)/(cfm)	15	10
AS-4 (psi)/(cfm)	12	18	AS-14 (psi)/(cfm)	14	11
AS-5 (psi)/(cfm)	15	8	AS-15 (psi)/(cfm)	15	12
AS-6 (psi)/(cfm)	15	10	AS-16B (psi)/(cfm)	15	12
AS-7 (psi)/(cfm)	15	9	AS-17 (psi)/(cfm)	16	8
AS-8 (psi)/(cfm)	12	11	AS-18 (psi)/(cfm)	15	12
AS-9 (psi)/(cfm)	14	10	AS-19 (psi)/(cfm)	14	5
AS-10B (psi)/(cfm)	15	10			

Notes, Comments & Observations:

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: 8-Sep
Weather / Temp: Cloudy / 85 DEG
Technician / Operator: JW

Arrival Time: 10:00
Departure Time: 11:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/20/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	Y	24.7 A
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/20/23
-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 7/31/23
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	25 A
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-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

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 18, 2023

James Wilkinson
EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980

Project Location: Westbury, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 23I1216

Enclosed are results of analyses for samples as received by the laboratory on September 11, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980
ATTN: James Wilkinson

REPORT DATE: 9/18/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23I1216

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Westbury, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE Effluent	23I1216-01	Soil Gas		-	
				EPA TO-15	
SVE Influent	23I1216-02	Soil Gas		-	
				EPA TO-15	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

1,2-Dibromoethane (EDB)
B352252-BLK1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Naphthalene
B352252-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23I1216-02[SVE Influent]

Z-01

Calibrations RSD for this compound is >30% but <40%.

Analyte & Samples(s) Qualified:

Naphthalene
23I1216-01[SVE Effluent], 23I1216-02[SVE Influent], B352252-BLK1, B352252-BS1, S093501-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 9/11/2023
Field Sample #: SVE Effluent
Sample ID: 23I1216-01
Sample Matrix: Soil Gas
Sampled: 9/8/2023 10:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4287
Sample Type: 15 min

Work Order: 23I1216
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Acetone	ND	8.0		ND	19	4	9/12/23 18:33	CMR
Benzene	ND	0.20		ND	0.64	4	9/12/23 18:33	CMR
Benzyl chloride	ND	0.80		ND	4.1	4	9/12/23 18:33	CMR
Bromodichloromethane	ND	0.20		ND	1.3	4	9/12/23 18:33	CMR
Bromoform	ND	0.20		ND	2.1	4	9/12/23 18:33	CMR
Bromomethane	ND	0.20		ND	0.78	4	9/12/23 18:33	CMR
1,3-Butadiene	ND	0.20		ND	0.44	4	9/12/23 18:33	CMR
2-Butanone (MEK)	ND	8.0		ND	24	4	9/12/23 18:33	CMR
Carbon Disulfide	ND	2.0		ND	6.2	4	9/12/23 18:33	CMR
Carbon Tetrachloride	ND	0.20		ND	1.3	4	9/12/23 18:33	CMR
Chlorobenzene	ND	0.20		ND	0.92	4	9/12/23 18:33	CMR
Chloroethane	ND	0.20		ND	0.53	4	9/12/23 18:33	CMR
Chloroform	ND	0.20		ND	0.98	4	9/12/23 18:33	CMR
Chloromethane	ND	0.40		ND	0.83	4	9/12/23 18:33	CMR
Cyclohexane	ND	0.20		ND	0.69	4	9/12/23 18:33	CMR
Dibromochloromethane	ND	0.20		ND	1.7	4	9/12/23 18:33	CMR
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	9/12/23 18:33	CMR
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	9/12/23 18:33	CMR
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	9/12/23 18:33	CMR
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	9/12/23 18:33	CMR
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	9/12/23 18:33	CMR
1,1-Dichloroethane	ND	0.20		ND	0.81	4	9/12/23 18:33	CMR
1,2-Dichloroethane	ND	0.20		ND	0.81	4	9/12/23 18:33	CMR
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	9/12/23 18:33	CMR
cis-1,2-Dichloroethylene	68	0.20		270	0.79	4	9/12/23 18:33	CMR
trans-1,2-Dichloroethylene	0.74	0.20		2.9	0.79	4	9/12/23 18:33	CMR
1,2-Dichloropropane	ND	0.20		ND	0.92	4	9/12/23 18:33	CMR
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	9/12/23 18:33	CMR
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	9/12/23 18:33	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	9/12/23 18:33	CMR
1,4-Dioxane	ND	2.0		ND	7.2	4	9/12/23 18:33	CMR
Ethanol	14	8.0		27	15	4	9/12/23 18:33	CMR
Ethyl Acetate	ND	2.0		ND	7.2	4	9/12/23 18:33	CMR
Ethylbenzene	ND	0.20		ND	0.87	4	9/12/23 18:33	CMR
4-Ethyltoluene	ND	0.20		ND	0.98	4	9/12/23 18:33	CMR
Heptane	ND	0.20		ND	0.82	4	9/12/23 18:33	CMR
Hexachlorobutadiene	ND	0.20		ND	2.1	4	9/12/23 18:33	CMR

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 9/11/2023
Field Sample #: SVE Effluent
Sample ID: 23I1216-01
Sample Matrix: Soil Gas
Sampled: 9/8/2023 10:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4287
Sample Type: 15 min

Work Order: 23I1216
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	8.0		ND	28	4	9/12/23 18:33	CMR
2-Hexanone (MBK)	ND	0.80		ND	3.3	4	9/12/23 18:33	CMR
Isopropanol	ND	8.0		ND	20	4	9/12/23 18:33	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	9/12/23 18:33	CMR
Methylene Chloride	ND	2.0		ND	6.9	4	9/12/23 18:33	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	9/12/23 18:33	CMR
Naphthalene	ND	0.20	Z-01	ND	1.0	4	9/12/23 18:33	CMR
Propene	ND	8.0		ND	14	4	9/12/23 18:33	CMR
Styrene	ND	0.20		ND	0.85	4	9/12/23 18:33	CMR
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	9/12/23 18:33	CMR
Tetrachloroethylene	3.7	0.20		25	1.4	4	9/12/23 18:33	CMR
Tetrahydrofuran	ND	2.0		ND	5.9	4	9/12/23 18:33	CMR
Toluene	0.33	0.20		1.3	0.75	4	9/12/23 18:33	CMR
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	9/12/23 18:33	CMR
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	9/12/23 18:33	CMR
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	9/12/23 18:33	CMR
Trichloroethylene	1.1	0.20		5.7	1.1	4	9/12/23 18:33	CMR
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	9/12/23 18:33	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	9/12/23 18:33	CMR
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	9/12/23 18:33	CMR
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	9/12/23 18:33	CMR
Vinyl Acetate	ND	4.0		ND	14	4	9/12/23 18:33	CMR
Vinyl Chloride	ND	0.20		ND	0.51	4	9/12/23 18:33	CMR
m&p-Xylene	ND	0.40		ND	1.7	4	9/12/23 18:33	CMR
o-Xylene	ND	0.20		ND	0.87	4	9/12/23 18:33	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	88.0	70-130	9/12/23 18:33

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 9/11/2023
Field Sample #: SVE Influent
Sample ID: 23I1216-02
Sample Matrix: Soil Gas
Sampled: 9/8/2023 10:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2756
Canister Size: 3 liter
Flow Controller ID: 4372
Sample Type: 15 min

Work Order: 23I1216
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	9/12/23 18:58	CMR
Benzene	ND	1.0		ND	3.2	20	9/12/23 18:58	CMR
Benzyl chloride	ND	4.0		ND	21	20	9/12/23 18:58	CMR
Bromodichloromethane	ND	1.0		ND	6.7	20	9/12/23 18:58	CMR
Bromoform	ND	1.0		ND	10	20	9/12/23 18:58	CMR
Bromomethane	ND	1.0		ND	3.9	20	9/12/23 18:58	CMR
1,3-Butadiene	ND	1.0		ND	2.2	20	9/12/23 18:58	CMR
2-Butanone (MEK)	ND	40		ND	120	20	9/12/23 18:58	CMR
Carbon Disulfide	ND	10		ND	31	20	9/12/23 18:58	CMR
Carbon Tetrachloride	ND	1.0		ND	6.3	20	9/12/23 18:58	CMR
Chlorobenzene	ND	1.0		ND	4.6	20	9/12/23 18:58	CMR
Chloroethane	ND	1.0		ND	2.6	20	9/12/23 18:58	CMR
Chloroform	ND	1.0		ND	4.9	20	9/12/23 18:58	CMR
Chloromethane	ND	2.0		ND	4.1	20	9/12/23 18:58	CMR
Cyclohexane	ND	1.0		ND	3.4	20	9/12/23 18:58	CMR
Dibromochloromethane	ND	1.0		ND	8.5	20	9/12/23 18:58	CMR
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	9/12/23 18:58	CMR
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	9/12/23 18:58	CMR
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	9/12/23 18:58	CMR
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	9/12/23 18:58	CMR
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	9/12/23 18:58	CMR
1,1-Dichloroethane	ND	1.0		ND	4.0	20	9/12/23 18:58	CMR
1,2-Dichloroethane	ND	1.0		ND	4.0	20	9/12/23 18:58	CMR
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	9/12/23 18:58	CMR
cis-1,2-Dichloroethylene	16	1.0		65	4.0	20	9/12/23 18:58	CMR
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	9/12/23 18:58	CMR
1,2-Dichloropropane	ND	1.0		ND	4.6	20	9/12/23 18:58	CMR
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	9/12/23 18:58	CMR
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	9/12/23 18:58	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	9/12/23 18:58	CMR
1,4-Dioxane	ND	10		ND	36	20	9/12/23 18:58	CMR
Ethanol	ND	40		ND	75	20	9/12/23 18:58	CMR
Ethyl Acetate	ND	10		ND	36	20	9/12/23 18:58	CMR
Ethylbenzene	ND	1.0		ND	4.3	20	9/12/23 18:58	CMR
4-Ethyltoluene	ND	1.0		ND	4.9	20	9/12/23 18:58	CMR
Heptane	ND	1.0		ND	4.1	20	9/12/23 18:58	CMR
Hexachlorobutadiene	ND	1.0		ND	11	20	9/12/23 18:58	CMR

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 9/11/2023
Field Sample #: SVE Influent
Sample ID: 23I1216-02
Sample Matrix: Soil Gas
Sampled: 9/8/2023 10:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2756
Canister Size: 3 liter
Flow Controller ID: 4372
Sample Type: 15 min

Work Order: 23I1216
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	40		ND	140	20	9/12/23 18:58	CMR
2-Hexanone (MBK)	ND	4.0		ND	16	20	9/12/23 18:58	CMR
Isopropanol	ND	40		ND	98	20	9/12/23 18:58	CMR
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	9/12/23 18:58	CMR
Methylene Chloride	ND	10		ND	35	20	9/12/23 18:58	CMR
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	9/12/23 18:58	CMR
Naphthalene	ND	1.0	Z-01	ND	5.2	20	9/12/23 18:58	CMR
Propene	ND	40		ND	69	20	9/12/23 18:58	CMR
Styrene	ND	1.0		ND	4.3	20	9/12/23 18:58	CMR
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	9/12/23 18:58	CMR
Tetrachloroethylene	580	1.0		3900	6.8	20	9/12/23 18:58	CMR
Tetrahydrofuran	ND	10		ND	29	20	9/12/23 18:58	CMR
Toluene	ND	1.0		ND	3.8	20	9/12/23 18:58	CMR
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	9/12/23 18:58	CMR
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	9/12/23 18:58	CMR
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	9/12/23 18:58	CMR
Trichloroethylene	42	1.0		230	5.4	20	9/12/23 18:58	CMR
Trichlorofluoromethane (Freon 11)	ND	4.0		ND	22	20	9/12/23 18:58	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0		ND	31	20	9/12/23 18:58	CMR
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	9/12/23 18:58	CMR
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	9/12/23 18:58	CMR
Vinyl Acetate	ND	20		ND	70	20	9/12/23 18:58	CMR
Vinyl Chloride	ND	1.0		ND	2.6	20	9/12/23 18:58	CMR
m&p-Xylene	ND	2.0		ND	8.7	20	9/12/23 18:58	CMR
o-Xylene	ND	1.0		ND	4.3	20	9/12/23 18:58	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	84.9	70-130	9/12/23 18:58

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method:TO-15 Prep **Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23I1216-01 [SVE Effluent]	B352252	1.5	1	N/A	1000	200	75	09/12/23
23I1216-02 [SVE Influent]	B352252	1.5	1	N/A	1000	200	15	09/12/23

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B352252 - TO-15 Prep											
Blank (B352252-BLK1)					Prepared & Analyzed: 09/12/23						
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.080									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									B
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.080									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									Z-01
Propene	ND	0.80									
Styrene	ND	0.020									

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B352252 - TO-15 Prep											
Blank (B352252-BLK1)					Prepared & Analyzed: 09/12/23						
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	*7.71*				*8.00*		*96.4*	*70-130*			
LCS (B352252-BS1)					Prepared & Analyzed: 09/12/23						
Acetone	4.39				5.00		87.9	70-130			
Benzene	4.84				5.00		96.9	70-130			
Benzyl chloride	4.93				5.00		98.5	70-130			
Bromodichloromethane	4.94				5.00		98.7	70-130			
Bromoform	5.98				5.00		120	70-130			
Bromomethane	4.99				5.00		99.8	70-130			
1,3-Butadiene	5.40				5.00		108	70-130			
2-Butanone (MEK)	5.06				5.00		101	70-130			
Carbon Disulfide	5.36				5.00		107	70-130			
Carbon Tetrachloride	5.65				5.00		113	70-130			
Chlorobenzene	5.05				5.00		101	70-130			
Chloroethane	5.19				5.00		104	70-130			
Chloroform	5.17				5.00		103	70-130			
Chloromethane	4.44				5.00		88.8	70-130			
Cyclohexane	5.04				5.00		101	70-130			
Dibromochloromethane	6.00				5.00		120	70-130			
1,2-Dibromoethane (EDB)	5.43				5.00		109	70-130			
1,2-Dichlorobenzene	5.79				5.00		116	70-130			
1,3-Dichlorobenzene	6.08				5.00		122	70-130			
1,4-Dichlorobenzene	5.63				5.00		113	70-130			
Dichlorodifluoromethane (Freon 12)	5.46				5.00		109	70-130			
1,1-Dichloroethane	5.22				5.00		104	70-130			
1,2-Dichloroethane	4.93				5.00		98.7	70-130			
1,1-Dichloroethylene	5.04				5.00		101	70-130			
cis-1,2-Dichloroethylene	5.00				5.00		99.9	70-130			
trans-1,2-Dichloroethylene	5.29				5.00		106	70-130			
1,2-Dichloropropane	5.01				5.00		100	70-130			

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B352252 - TO-15 Prep												
LCS (B352252-BS1)					Prepared & Analyzed: 09/12/23							
cis-1,3-Dichloropropene	5.31				5.00		106		70-130			
trans-1,3-Dichloropropene	6.00				5.00		120		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.53				5.00		90.5		70-130			
1,4-Dioxane	4.88				5.00		97.5		70-130			
Ethanol	5.45				5.00		109		70-130			
Ethyl Acetate	5.06				5.00		101		70-130			
Ethylbenzene	5.02				5.00		100		70-130			
4-Ethyltoluene	5.38				5.00		108		70-130			
Heptane	5.64				5.00		113		70-130			
Hexachlorobutadiene	7.28				4.25		**171**	*	70-130			
Hexane	4.87				5.00		97.5		70-130			
2-Hexanone (MBK)	4.94				5.00		98.9		70-130			
Isopropanol	3.92				5.00		78.5		70-130			
Methyl tert-Butyl Ether (MTBE)	5.18				5.00		104		70-130			
Methylene Chloride	4.56				5.00		91.2		70-130			
4-Methyl-2-pentanone (MIBK)	5.66				5.00		113		70-130			
Naphthalene	5.25				3.68		**143**	*	70-130			L-05, Z-01
Propene	6.00				5.00		120		70-130			
Styrene	5.39				5.00		108		70-130			
1,1,2,2-Tetrachloroethane	5.30				5.00		106		70-130			
Tetrachloroethylene	4.96				5.00		99.3		70-130			
Tetrahydrofuran	5.36				5.00		107		70-130			
Toluene	5.19				5.00		104		70-130			
1,2,4-Trichlorobenzene	5.03				3.90		129		70-130			
1,1,1-Trichloroethane	5.16				5.00		103		70-130			
1,1,2-Trichloroethane	5.44				5.00		109		70-130			
Trichloroethylene	5.09				5.00		102		70-130			
Trichlorofluoromethane (Freon 11)	5.04				5.00		101		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.90				5.00		98.0		70-130			
1,2,4-Trimethylbenzene	5.60				5.00		112		70-130			
1,3,5-Trimethylbenzene	5.98				5.00		120		70-130			
Vinyl Acetate	5.74				5.00		115		70-130			
Vinyl Chloride	5.26				5.00		105		70-130			
m&p-Xylene	11.5				10.0		115		70-130			
o-Xylene	5.64				5.00		113		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.13*				*8.00*		*102*		*70-130*			

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
Z-01	Calibrations RSD for this compound is >30% but <40%.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S085380-ICV1)			Lab File ID: J23A090036.D			Analyzed: 04/01/23 05:53			
Bromochloromethane (1)	298104	2.788	289065	2.788	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	850179	3.418	804638	3.418	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	747035	5.036	717694	5.036	104	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S093501-CCV1)			Lab File ID: J23A255004.D			Analyzed: 09/12/23 10:17			
Bromochloromethane (1)	294241	2.805				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	826904	3.433				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	718595	5.039				60 - 140		+/-0.50	
LCS (B352252-BS1)			Lab File ID: J23A255005.D			Analyzed: 09/12/23 10:42			
Bromochloromethane (1)	302274	2.805	294241	2.805	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	836385	3.433	826904	3.433	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	728072	5.04	718595	5.039	101	60 - 140	0.0010	+/-0.50	
Blank (B352252-BLK1)			Lab File ID: J23A255008.D			Analyzed: 09/12/23 12:34			
Bromochloromethane (1)	303583	2.784	294241	2.805	103	60 - 140	-0.0210	+/-0.50	
1,4-Difluorobenzene (1)	663422	3.417	826904	3.433	80	60 - 140	-0.0160	+/-0.50	
Chlorobenzene-d5 (1)	587977	5.035	718595	5.039	82	60 - 140	-0.0040	+/-0.50	
SVE Effluent (23I1216-01)			Lab File ID: J23A255022.D			Analyzed: 09/12/23 18:33			
Bromochloromethane (1)	320556	2.795	294241	2.805	109	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	687097	3.423	826904	3.433	83	60 - 140	-0.0100	+/-0.50	
Chlorobenzene-d5 (1)	647656	5.038	718595	5.039	90	60 - 140	-0.0010	+/-0.50	
SVE Influent (23I1216-02)			Lab File ID: J23A255023.D			Analyzed: 09/12/23 18:58			
Bromochloromethane (1)	295253	2.789	294241	2.805	100	60 - 140	-0.0160	+/-0.50	
1,4-Difluorobenzene (1)	626180	3.417	826904	3.433	76	60 - 140	-0.0160	+/-0.50	
Chlorobenzene-d5 (1)	638550	5.037	718595	5.039	89	60 - 140	-0.0020	+/-0.50	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S093501-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.57	1.034114	0.9458424		-8.5	30	
Benzene	A	5.00	4.94	0.8123645	0.802707		-1.2	30	
Benzyl chloride	L	5.00	5.33	0.5056852	0.8129775		6.5	30	
Bromodichloromethane	A	5.00	5.33	0.6094342	0.649927		6.6	30	
Bromoform	A	5.00	6.06	0.4573839	0.554364		21.2	30	
Bromomethane	A	5.00	5.24	0.6761959	0.7081161		4.7	30	
1,3-Butadiene	A	5.00	5.66	0.5092257	0.5759469		13.1	30	
2-Butanone (MEK)	A	5.00	5.08	1.148647	1.167261		1.6	30	
Carbon Disulfide	A	5.00	5.35	2.001154	2.140449		7.0	30	
Carbon Tetrachloride	A	5.00	5.85	0.5037067	0.589147		17.0	30	
Chlorobenzene	A	5.00	5.37	0.7622773	0.8187176		7.4	30	
Chloroethane	A	5.00	5.25	0.4202137	0.4414232		5.0	30	
Chloroform	A	5.00	5.40	1.577837	1.705062		8.1	30	
Chloromethane	A	5.00	5.00	0.5966374	0.5965233		-0.02	30	
Cyclohexane	A	5.00	4.98	0.3246406	0.3235413		-0.3	30	
Dibromochloromethane	A	5.00	6.17	0.5189836	0.6400913		23.3	30	
1,2-Dibromoethane (EDB)	A	5.00	5.82	0.4960864	0.5772776		16.4	30	
1,2-Dichlorobenzene	A	5.00	6.28	0.4911951	0.6171465		25.6	30	
1,3-Dichlorobenzene	A	5.00	6.59	0.5456808	0.719553		31.9	30	*
1,4-Dichlorobenzene	A	5.00	6.12	0.5309926	0.6505183		22.5	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	5.80	1.809285	2.096877		15.9	30	
1,1-Dichloroethane	A	5.00	5.44	1.317427	1.433486		8.8	30	
1,2-Dichloroethane	A	5.00	5.06	0.9730911	0.9851625		1.2	30	
1,1-Dichloroethylene	A	5.00	5.30	1.146845	1.21607		6.0	30	
cis-1,2-Dichloroethylene	A	5.00	5.27	0.9524103	1.004515		5.5	30	
trans-1,2-Dichloroethylene	A	5.00	5.33	1.02979	1.096973		6.5	30	
1,2-Dichloropropane	A	5.00	5.27	0.3033695	0.3196328		5.4	30	
cis-1,3-Dichloropropene	A	5.00	5.67	0.4042769	0.4581833		13.3	30	
trans-1,3-Dichloropropene	A	5.00	6.19	0.3279415	0.4060892		23.8	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.18	1.964888	2.034833		3.6	30	
1,4-Dioxane	A	5.00	4.81	0.1624784	0.1563712		-3.8	30	
Ethanol	A	5.00	5.05	0.1724202	0.1742354		1.1	30	
Ethyl Acetate	A	5.00	5.62	0.2040016	0.2291129		12.3	30	
Ethylbenzene	A	5.00	5.30	1.293794	1.371623		6.0	30	
4-Ethyltoluene	A	5.00	5.63	1.173601	1.322182		12.7	30	
Heptane	A	5.00	5.58	0.2390228	0.2665248		11.5	30	
Hexachlorobutadiene	A	5.00	8.05	0.2261563	0.3641217		61.0	30	*
Hexane	L	5.00	4.82	0.6738496	0.6534888		-3.5	30	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S093501-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	5.20	0.4320676	0.4492099		4.0	30	
Isopropanol	A	5.00	4.67	1.163166	1.086532		-6.6	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.28	1.752887	1.852185		5.7	30	
Methylene Chloride	A	5.00	4.88	0.8161184	0.7969032		-2.4	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	5.88	0.1991676	0.2343856		17.7	30	
Naphthalene	A	5.00	6.28	0.4140914	0.5205246		25.7	30	
Propene	A	5.00	6.17	0.3783566	0.4667031		23.4	30	
Styrene	A	5.00	5.90	0.6193387	0.7303007		17.9	30	
1,1,2,2-Tetrachloroethane	A	5.00	5.73	0.7875453	0.9020358		14.5	30	
Tetrachloroethylene	A	5.00	5.34	0.4061033	0.4332922		6.7	30	
Tetrahydrofuran	A	5.00	5.17	0.5602263	0.5794814		3.4	30	
Toluene	A	5.00	5.40	0.9952737	1.075851		8.1	30	
1,2,4-Trichlorobenzene	A	5.00	5.76	0.1951236	0.2248365		15.2	30	
1,1,1-Trichloroethane	A	5.00	5.54	0.5148362	0.570117		10.7	30	
1,1,2-Trichloroethane	A	5.00	5.60	0.3494055	0.3913659		12.0	30	
Trichloroethylene	A	5.00	5.34	0.3469588	0.3704594		6.8	30	
Trichlorofluoromethane (Freon 11)	A	5.00	5.45	1.832227	1.998617		9.1	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.32	1.363757	1.451686		6.4	30	
1,2,4-Trimethylbenzene	A	5.00	6.20	0.9035781	1.120055		24.0	30	
1,3,5-Trimethylbenzene	A	5.00	6.58	0.9651619	1.269738		31.6	30	*
Vinyl Acetate	A	5.00	4.83	1.160867	1.121432		-3.4	30	
Vinyl Chloride	A	5.00	5.56	0.7330867	0.815348		11.2	30	
m&p-Xylene	A	10.0	12.2	1.010218	1.236619		22.4	30	
o-Xylene	A	5.00	6.05	0.9862305	1.193707		21.0	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

Pace Analytical®

231216

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (AIR)

Company Name: EnviroTrac
Address: 5 old Dock Rd, Yaphank, NY
Phone: 631 924 3001
Project Name: Frost St OU1
Project Location: Westbury, NY
Project Number:
Project Manager: Jim Wilkinson
Pace Quote Name/Number:
Invoice Recipient: JIM WILKINSON
Sampled By: JIM WILKINSON

Turnaround Time Requested
7-Day ☐ 10-Day ☑
Due Date:

Results Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: jameswe@envirotrac.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume					" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	m³/min L/min	Code	Liters m³	5-10				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
01	SVE Effluent	10:26	10:44	18		SG		✓				30	6	6.4	2381	4287
02	SVE Influent	10:39	10:54	15		SG		✓				29	4	6.4	2756	4372

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Both samples collected on 9/8/23. Fed Ex # 7732 7318 7458

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
	9/8 11:30
Received by: (signature)	Date/Time:
	9/11/23 1324
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GW1

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

FedEx Sign Up or Log In

FedEx® Tracking

DELIVERED

Monday

9/11/23 at 1:24 PM

Signed for by: ERAVERA

Obtain proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

773273987458

FROM
YAPHANK, NY US

WE HAVE YOUR PACKAGE
HOLBROOK, NY
9/8/23 12:58 PM

IN TRANSIT
WINDSOR, CT
9/11/23 5:35 AM

OUT FOR DELIVERY
WINDSOR, CT
9/11/23 5:53 AM

DELIVERED
East Longmeadow, MA US
Delivered
9/11/23 at 1:24 PM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL
Contestlab39

SUBMIT

Your email is invalid.

MORE OPTIONS

Manage Delivery

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client EnviroTrac

Project Frost St OU1

MCP/RCP Required

Deliverable Package Requirement

Location Westbury, NY

PWSID# (When Applicable)

Arrival Method FedEx 7732 7398 7458

Received By / Date / Time MEM 9/11/23 1324

Back-Sheet By / Date / Time KMC 9/12/23 0830

Temperature Method #

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	2	3L	2	15min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s														
1	2381	5		10		15		Regs #'s		5		10		15	
2	2756	6		11		16		1	4287	6		11		16	
3		7		12		17		2	4372	7		12		17	
4		8		13		18		3		8		13		18	
Unused Media		9		14		19		4		9		14		19	
1		4		9		14		Pufs/TO-17's		5		10		15	
2		5		10		15		1		6		11		16	
3		6		11		16		2		7		12		17	
4		7		12		17		3		8		13		18	
		8		13		18		4		9		14		19	

Qualtrax ID: 127034

Page 1 of 1

Appendix C
Groundwater Extraction System Water Samples
Laboratory Analytical Results

PHOENIX
Environmental Laboratories, Inc.

Tuesday, October 03, 2023

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

Project ID: **FROST STREET-OU2**
SDG ID: **GCP10986**
Sample ID#s: CP10986 - CP10989, CP11270

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
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

October 03, 2023

SDG I.D.: GCP10986

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CP10986	GROUND WATER
EX-1B	CP10987	GROUND WATER
EX-1C	CP10988	GROUND WATER
EX-1D	CP10989	GROUND WATER
TB	CP11270	WATER

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

October 03, 2023

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		09/28/23	8:45
Location Code:	ENVIROTR	Received by:	CP	09/28/23	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP10986
Phoenix ID: CP10986

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	09/28/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	09/28/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,2-Dichloroethene	1.7	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/28/23	MH	E624.1

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

Phoenix I.D.: CP10986

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/28/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/28/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/28/23	MH	E624.1
Tetrachloroethene	39	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Trichloroethene	3.4	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/28/23	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	09/28/23	MH	70 - 130 %
% Dibromofluoromethane	84			%	1	09/28/23	MH	70 - 130 %
% Toluene-d8	94			%	1	09/28/23	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.

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 03, 2023
Reviewed and Released by: Anil 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

October 03, 2023

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		09/28/23	9:48
Location Code:	ENVIROTR	Received by:	CP	09/28/23	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP10986
Phoenix ID: CP10987

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	09/28/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	09/28/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,2-Dichloroethene	15	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/28/23	MH	E624.1

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

Phoenix I.D.: CP10987

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/28/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/28/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/28/23	MH	E624.1
Tetrachloroethene	120	2.5	1.3	ug/L	5	09/29/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Trichloroethene	6.2	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	09/28/23	MH	70 - 130 %
% Bromofluorobenzene	88			%	1	09/28/23	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	09/28/23	MH	70 - 130 %
% Toluene-d8	94			%	1	09/28/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	99			%	5	09/29/23	MH	70 - 130 %
% Bromofluorobenzene (5x)	88			%	5	09/29/23	MH	70 - 130 %
% Dibromofluoromethane (5x)	94			%	5	09/29/23	MH	70 - 130 %
% Toluene-d8 (5x)	95			%	5	09/29/23	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.

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 03, 2023
Reviewed and Released by: Anil 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

October 03, 2023

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		09/28/23	9:35
Location Code:	ENVIROTR	Received by:	CP	09/28/23	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP10986
Phoenix ID: CP10988

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	09/28/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethene	0.50	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	09/28/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,2-Dichloroethene	0.68	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/28/23	MH	E624.1

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

Phoenix I.D.: CP10988

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/28/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/28/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/28/23	MH	E624.1
Tetrachloroethene	25	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Trichloroethene	3.0	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	1	09/28/23	MH	70 - 130 %
% Bromofluorobenzene	87			%	1	09/28/23	MH	70 - 130 %
% Dibromofluoromethane	83			%	1	09/28/23	MH	70 - 130 %
% Toluene-d8	95			%	1	09/28/23	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.

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 03, 2023
Reviewed and Released by: Anil 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

October 03, 2023

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		09/28/23	9:15
Location Code:	ENVIROTR	Received by:	CP	09/28/23	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP10986
Phoenix ID: CP10989

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	1.1	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethane	0.75	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethene	8.6	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	09/28/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Carbon tetrachloride	0.69	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroform	1.4	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,2-Dichloroethene	4.5	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/28/23	MH	E624.1

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

Phoenix I.D.: CP10989

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/28/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/28/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/28/23	MH	E624.1
Tetrachloroethene	97	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Trichloroethene	25	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	09/28/23	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	09/28/23	MH	70 - 130 %
% Dibromofluoromethane	83			%	1	09/28/23	MH	70 - 130 %
% Toluene-d8	93			%	1	09/28/23	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.

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 03, 2023
Reviewed and Released by: Anil 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

October 03, 2023

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

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		09/28/23	
Location Code:	ENVIROTR	Received by:	SR1	09/28/23	15:02
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCP10986
Phoenix ID: CP11270

Project ID: FROST STREET - OU2
Client ID: TB

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	09/28/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	09/28/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/28/23	MH	E624.1

Project ID: FROST STREET - OU2
Client ID: TB

Phoenix I.D.: CP11270

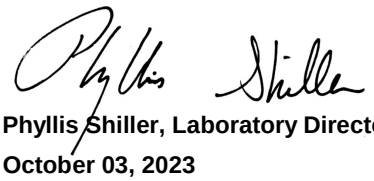
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/28/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/28/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/28/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/28/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/28/23	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	09/28/23	MH	70 - 130 %
% Bromofluorobenzene	87			%	1	09/28/23	MH	70 - 130 %
% Dibromofluoromethane	96			%	1	09/28/23	MH	70 - 130 %
% Toluene-d8	94			%	1	09/28/23	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:

TRIP BLANK INCLUDED.

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 03, 2023
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 03, 2023

QA/QC Data

SDG I.D.: GCP10986

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 699650 (ug/L), QC Sample No: CP10987 (CP10987 (5X))										
Volatiles - Ground Water										
Tetrachloroethene	ND	1.0	103	107	3.8	103	104	1.0	73 - 127	20
% 1,2-dichlorobenzene-d4	99	%	98	99	1.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	88	%	91	93	2.2	92	92	0.0	70 - 130	30
% Dibromofluoromethane	86	%	92	87	5.6	85	90	5.7	70 - 130	30
% Toluene-d8	93	%	93	93	0.0	94	93	1.1	70 - 130	30
Comment:										
A blank MS/MSD was analyzed with this batch.										
QA/QC Batch 699398 (ug/L), QC Sample No: CP11313 (CP10986, CP10987, CP10988, CP10989, CP11270)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	97	110	12.6	97	93	4.2	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	104	115	10.0	104	103	1.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	104	114	9.2	105	104	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	94	105	11.1	95	93	2.1	72 - 128	20
1,1-Dichloroethene	ND	1.0	91	100	9.4	87	84	3.5	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	99	108	8.7	97	99	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	100	109	8.6	99	99	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	101	113	11.2	100	101	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	101	110	8.5	97	98	1.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	98	108	9.7	95	98	3.1	63 - 137	20
Benzene	ND	0.70	100	110	9.5	101	101	0.0	64 - 136	20
Bromodichloromethane	ND	0.50	104	115	10.0	103	103	0.0	65 - 135	20
Bromoform	ND	1.0	109	121	10.4	104	104	0.0	71 - 129	20
Bromomethane	ND	1.0	90	96	6.5	72	80	10.5	40 - 160	20
Carbon Disulfide	ND	1.0	87	96	9.8	83	80	3.7	70 - 130	30
Carbon tetrachloride	ND	1.0	100	110	9.5	100	94	6.2	73 - 127	20
Chlorobenzene	ND	1.0	100	109	8.6	99	100	1.0	66 - 134	20
Chloroethane	ND	1.0	88	95	7.7	83	83	0.0	40 - 160	20
Chloroform	ND	1.0	98	108	9.7	99	94	5.2	67 - 133	20
Chloromethane	ND	1.0	97	107	9.8	94	93	1.1	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	93	106	13.1	92	91	1.1	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	106	117	9.9	97	99	2.0	40 - 160	20
Dibromochloromethane	ND	0.50	108	119	9.7	105	105	0.0	67 - 133	20
Ethylbenzene	ND	1.0	97	109	11.7	96	97	1.0	59 - 141	20
Isopropylbenzene	ND	1.0	101	113	11.2	97	98	1.0	70 - 130	30
m&p-Xylene	ND	1.0	102	112	9.3	100	101	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	107	10.8	94	91	3.2	70 - 130	30
Methylene chloride	ND	1.0	90	102	12.5	92	86	6.7	60 - 140	20
Naphthalene	ND	1.0	106	118	10.7	99	102	3.0	70 - 130	30
o-Xylene	ND	1.0	102	112	9.3	99	100	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	96	107	10.8	93	93	0.0	73 - 127	20

QA/QC Data

SDG I.D.: GCP10986

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	99	111	11.4	100	100	0.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	92	101	9.3	88	86	2.3	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	107	119	10.6	98	100	2.0	50 - 150	20
Trichloroethene	ND	1.0	99	109	9.6	97	97	0.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	93	101	8.2	91	88	3.4	48 - 152	20
Vinyl chloride	ND	1.0	92	100	8.3	85	85	0.0	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	99	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	88	%	92	92	0.0	92	92	0.0	70 - 130	30
% Dibromofluoromethane	83	%	86	90	4.5	89	83	7.0	70 - 130	30
% Toluene-d8	94	%	94	94	0.0	94	94	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 03, 2023

Tuesday, October 03, 2023

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCP10986 - 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

October 03, 2023 SDG I.D.: GCP10986

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

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

NY Temperature Narration

October 03, 2023

SDG I.D.: GCP10986

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 1.2° C Pg of

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

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: 9/29/23

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	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
JB H005	EX-1A	GW	9/28/2023	0845	X							3					10980
JB H006	EX-1B	GW	9/28/2023	0948	X							3					10987
JB H007	EX-1C	GW	9/28/2023	0935	X							3					10988
	EX-1D	GW	9/28/2023	0915	X							3					10989
11270	TB																

Relinquished by:	Accepted by:	Date:	Time:
Matt Stein	ZM	9/29/23	1109
ZM	[signature]	9.28.23	1502

Comments, Special Requirements or Regulations:
TB recd noncoc (KD).

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

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

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

State where samples were collected: NY

Bobbi Aloisa

From:	Bobbi Aloisa
Sent:	Friday, September 29, 2023 1:06 PM
To:	James Wilkinson, PE
Cc:	Bobbi Aloisa
Subject:	624
Attachments:	GCP10986-ChainofCustody-1.pdf

Hi James

We can't report the following compounds (listed below) on the attached chain for the sample 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

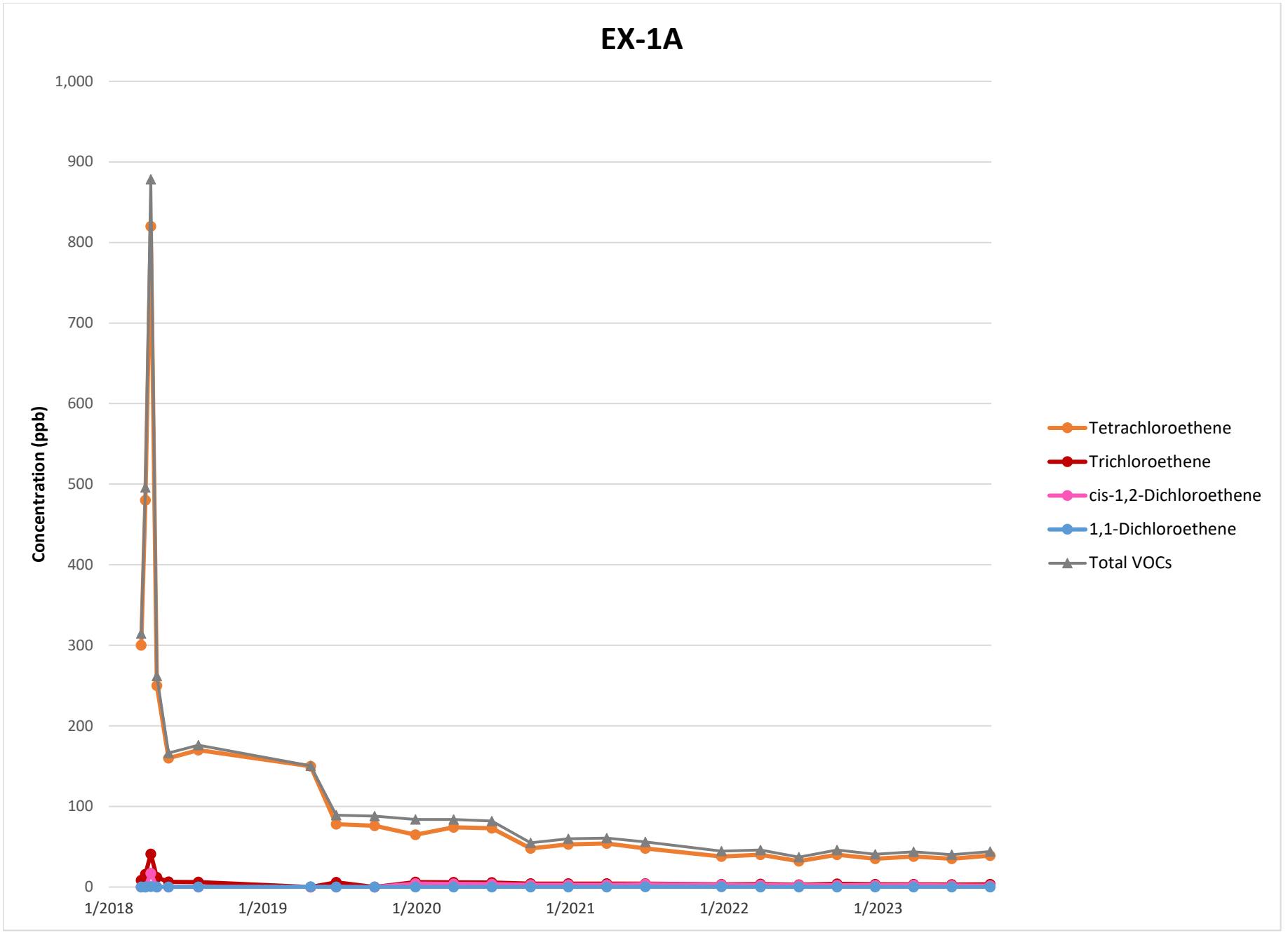
624 Analyses:
Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial

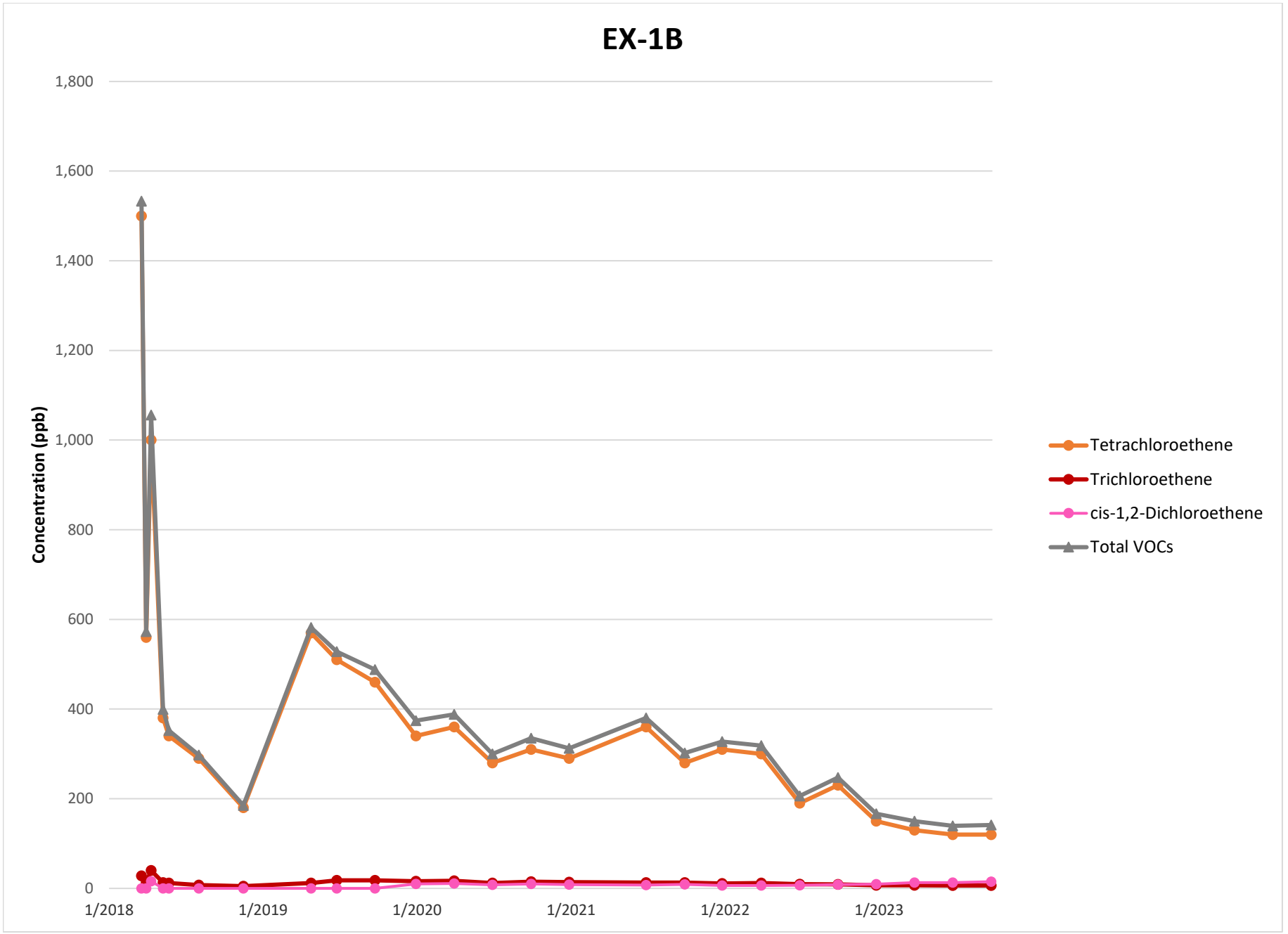
Please LMK if you have any questions

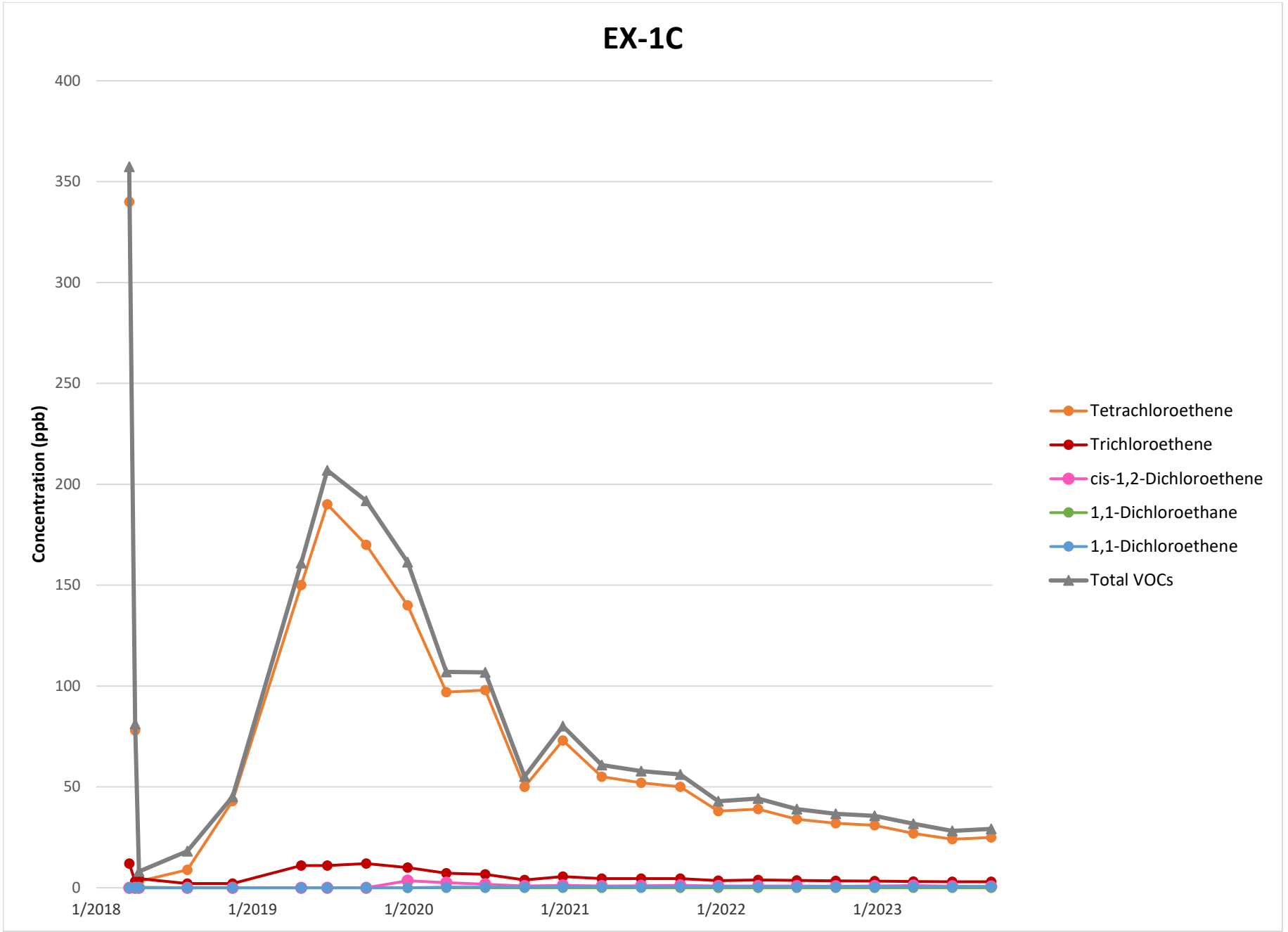
Bobbi

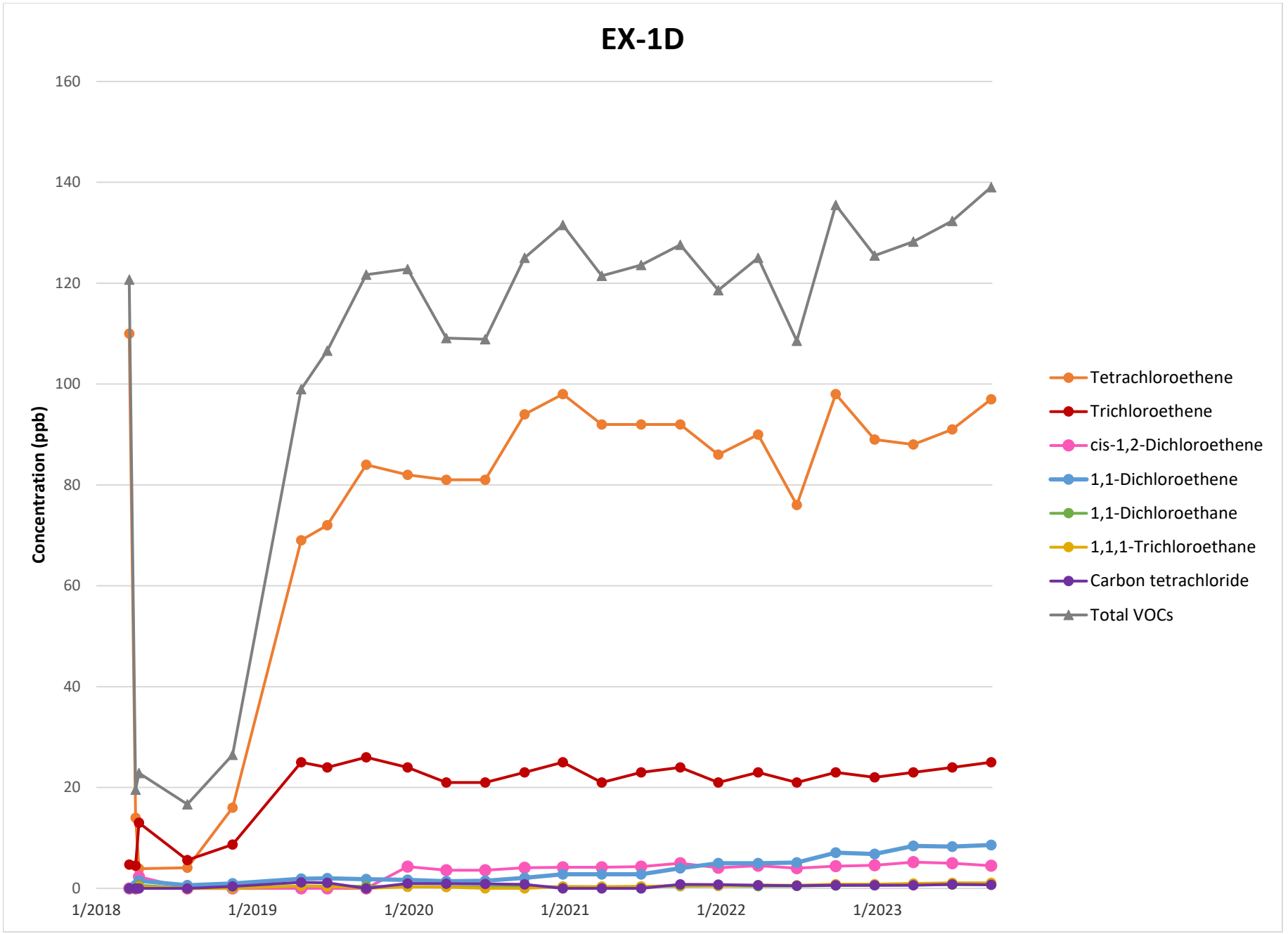
Bobbi Aloisa
Vice President | Director of Client Services
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike | Manchester, CT 06040
Direct Line: (860)-645-8728
www.phoenixlabs.com

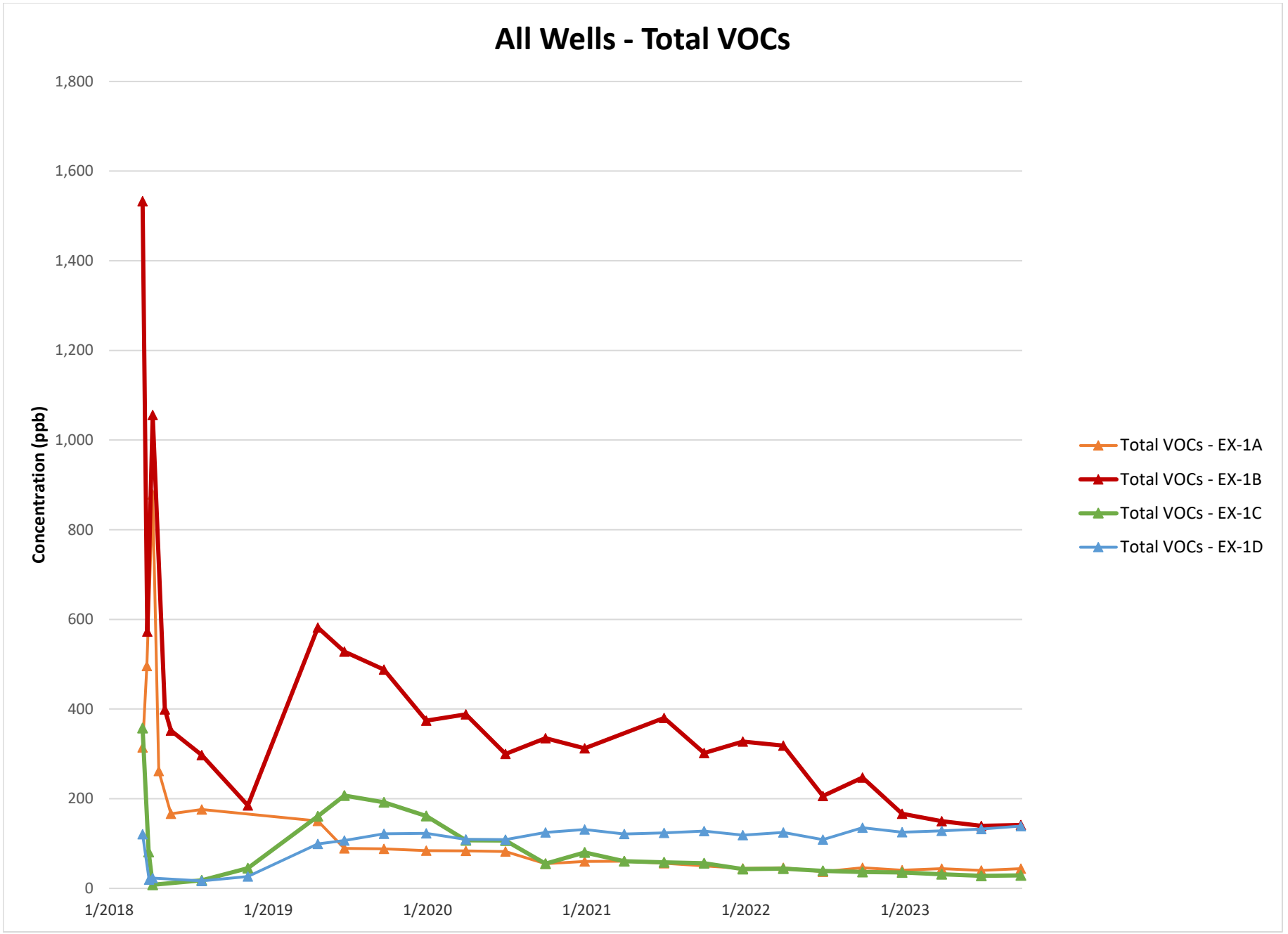
Appendix D
Groundwater Extraction Well Sampling
Historical Results


EX-1A
Concentration (ppb)
1,000
900
800
700
600
500
400
300
200
100
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
Total VOCs

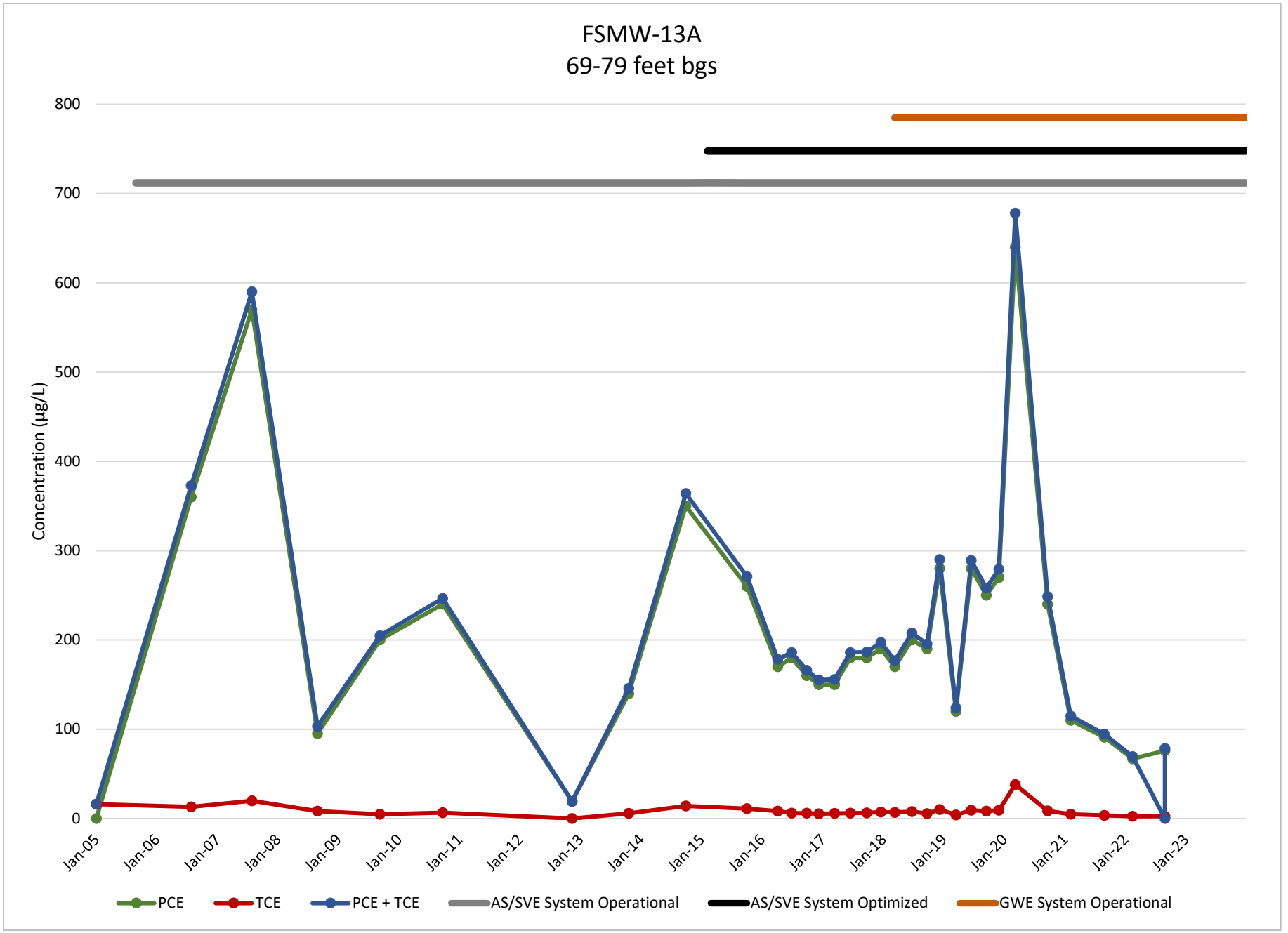

EX-1B
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
Total VOCs

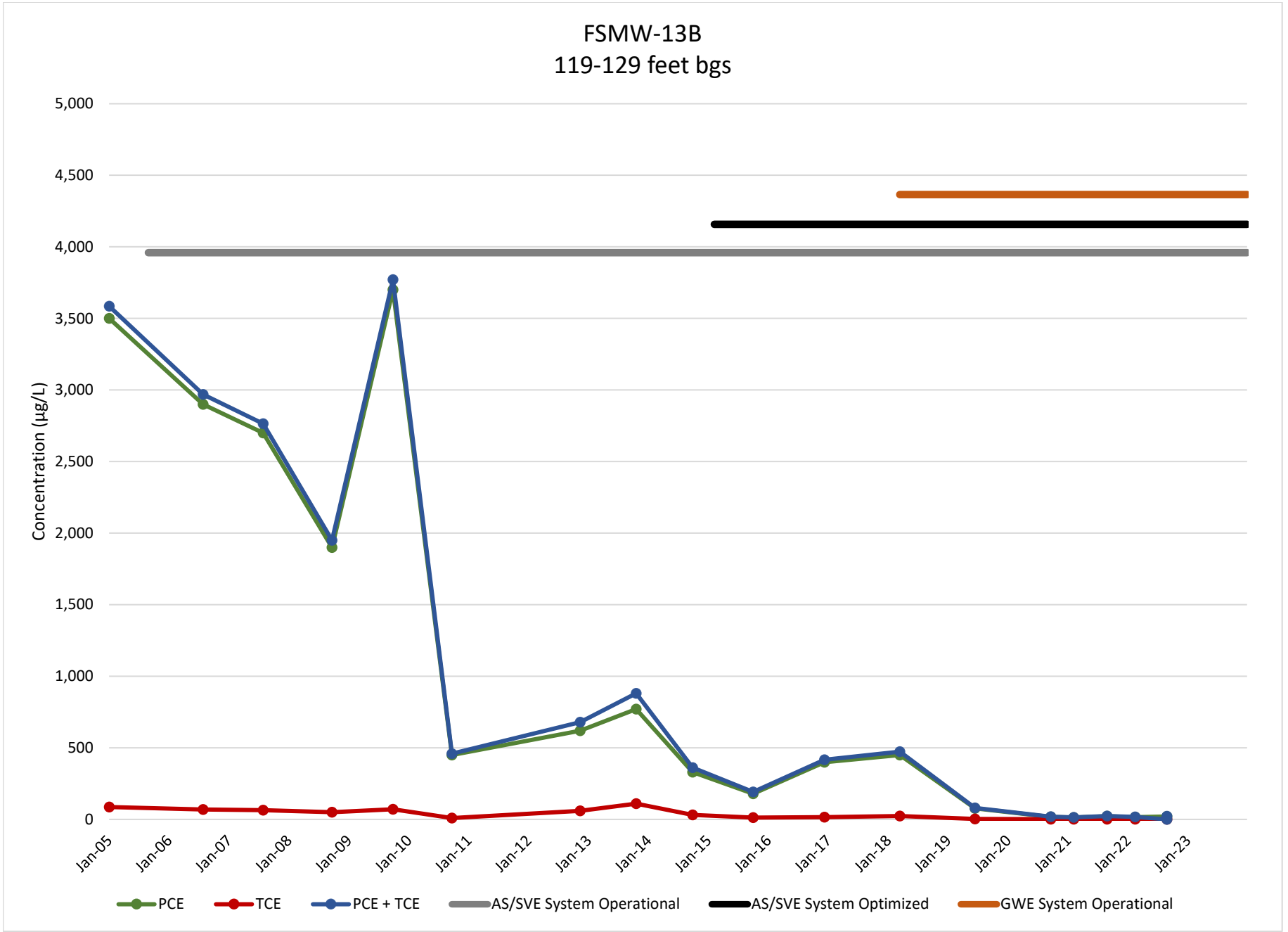

EX-1C
Concentration (ppb)
400
350
300
250
200
150
100
50
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethane
1,1-Dichloroethene
Total VOCs

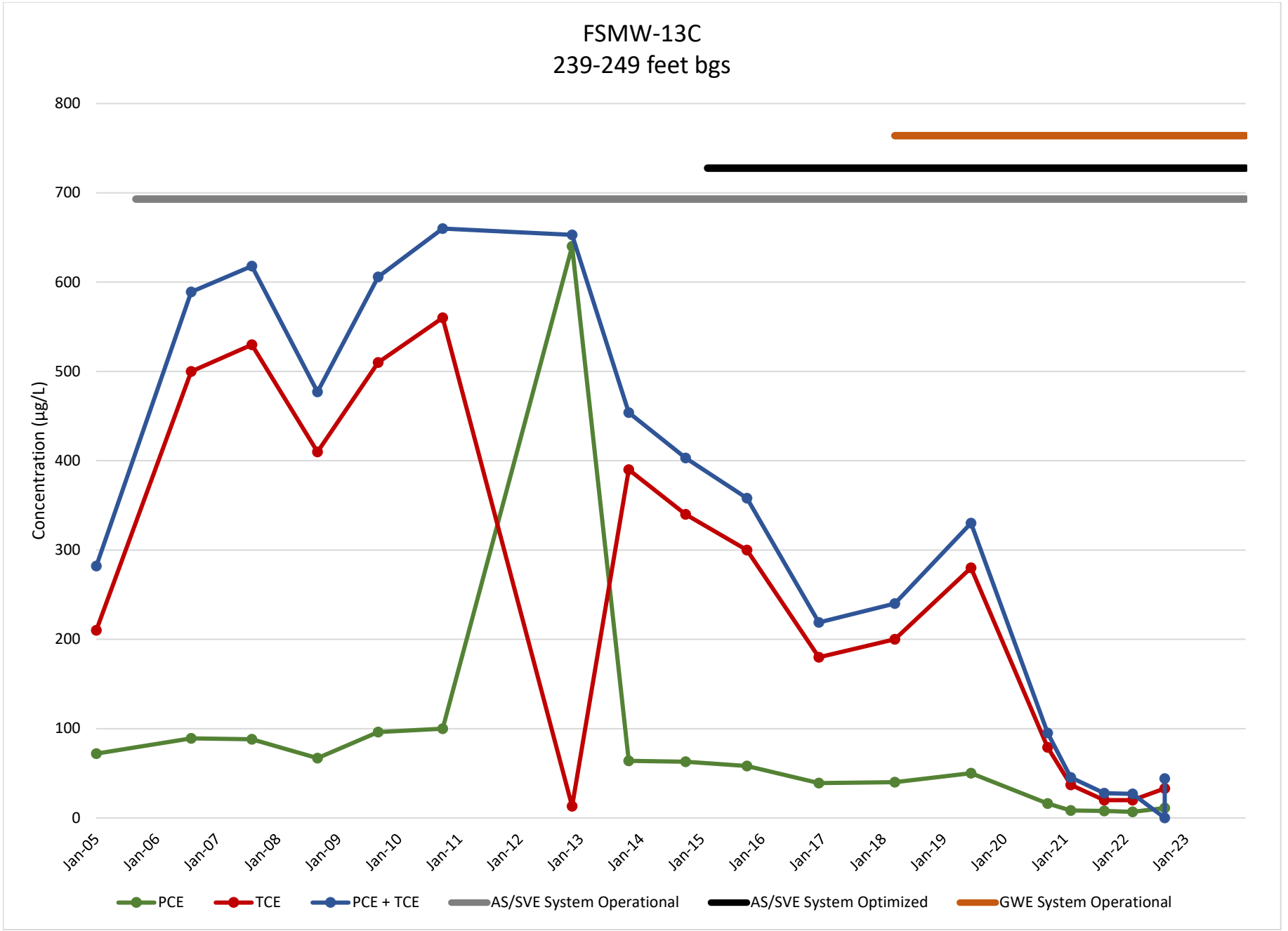

EX-1D
Concentration (ppb)
160
140
120
100
80
60
40
20
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
1,1-Dichloroethane
1,1,1-Trichloroethane
Carbon tetrachloride
Total VOCs

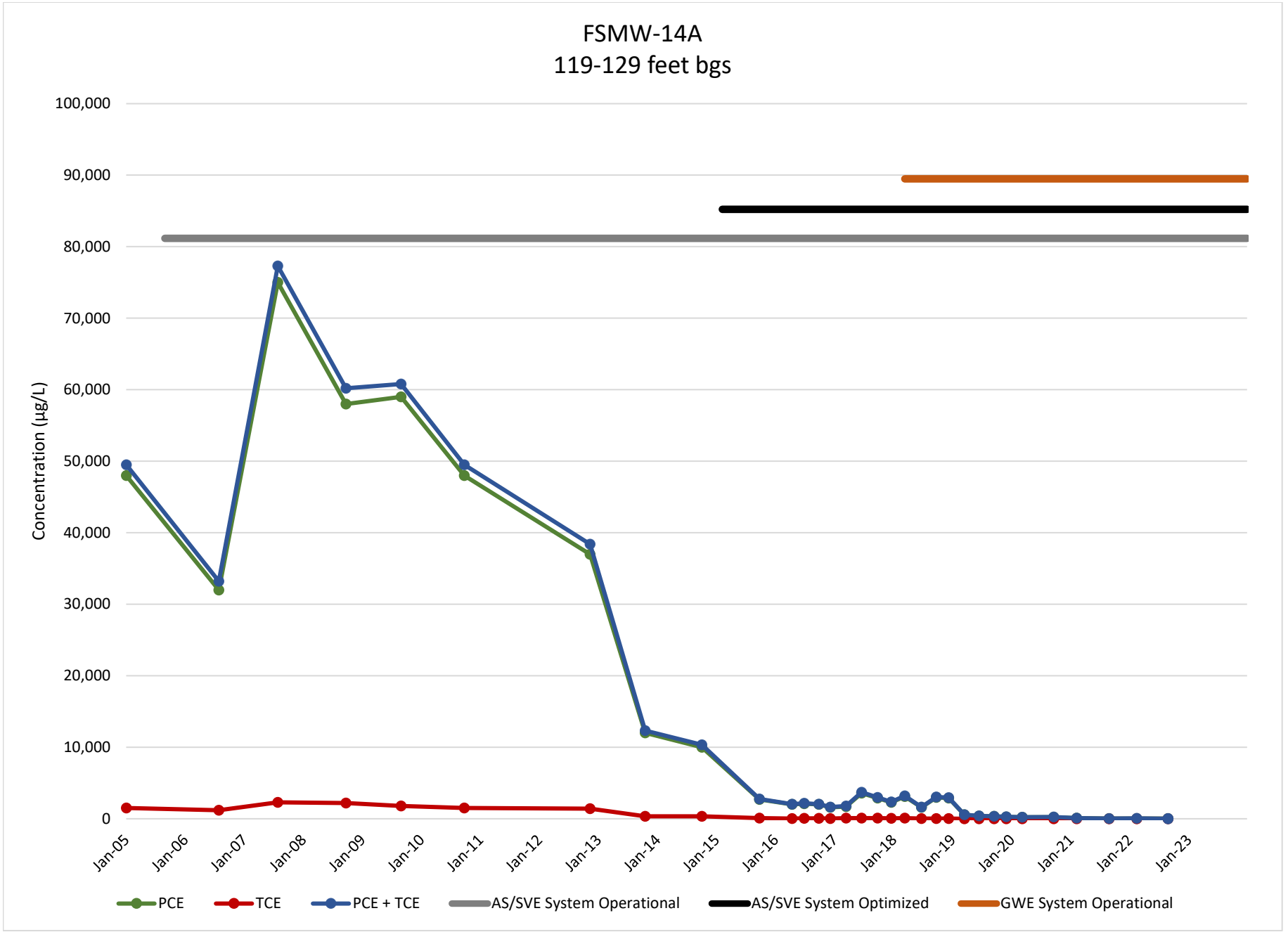

All Wells - Total VOCs
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
Total VOCs - EX-1A
Total VOCs - EX-1B
Total VOCs - EX-1C
Total VOCs - EX-1D

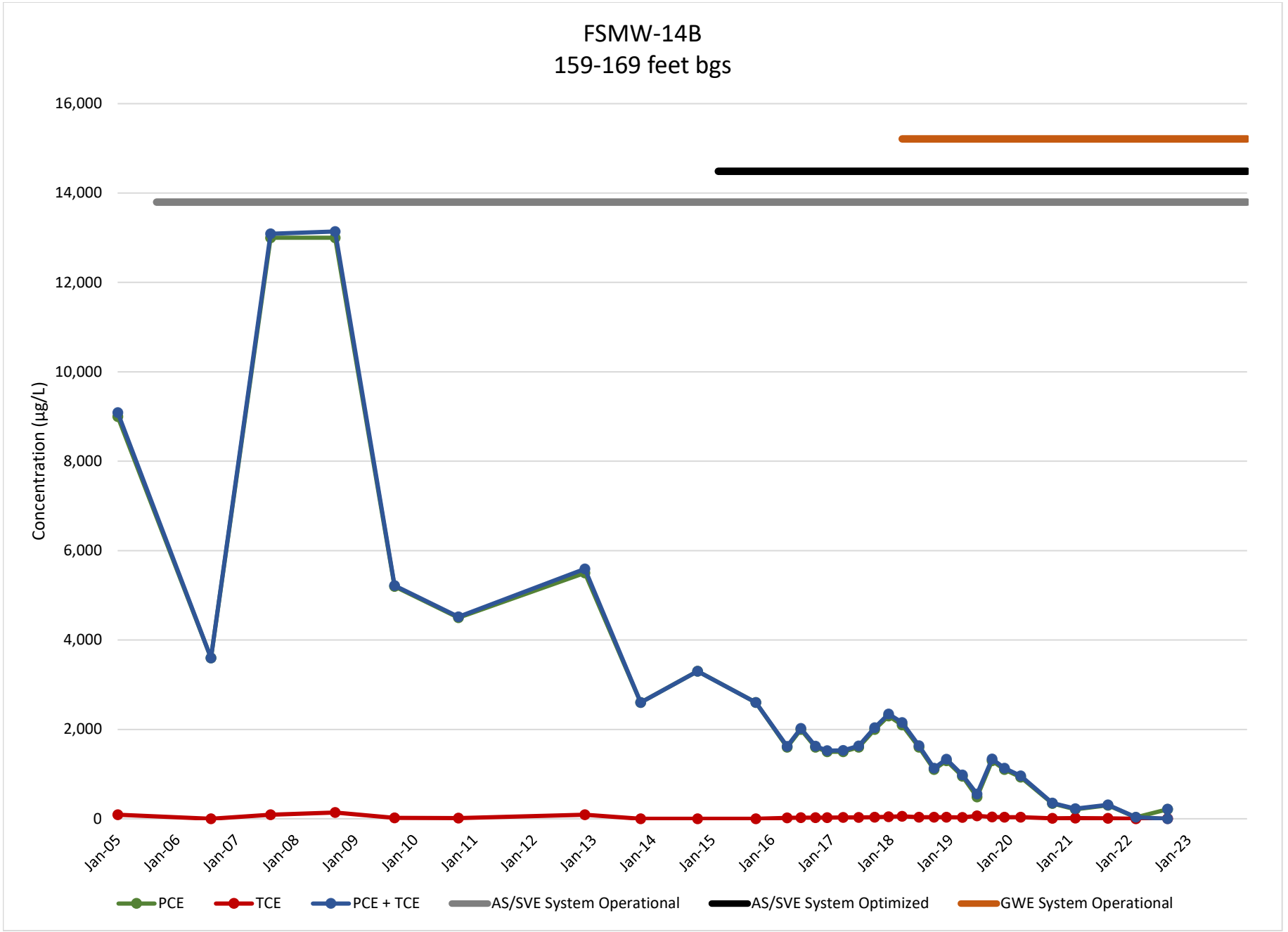
Appendix E
Downgradient Monitoring Wells
Historical Results

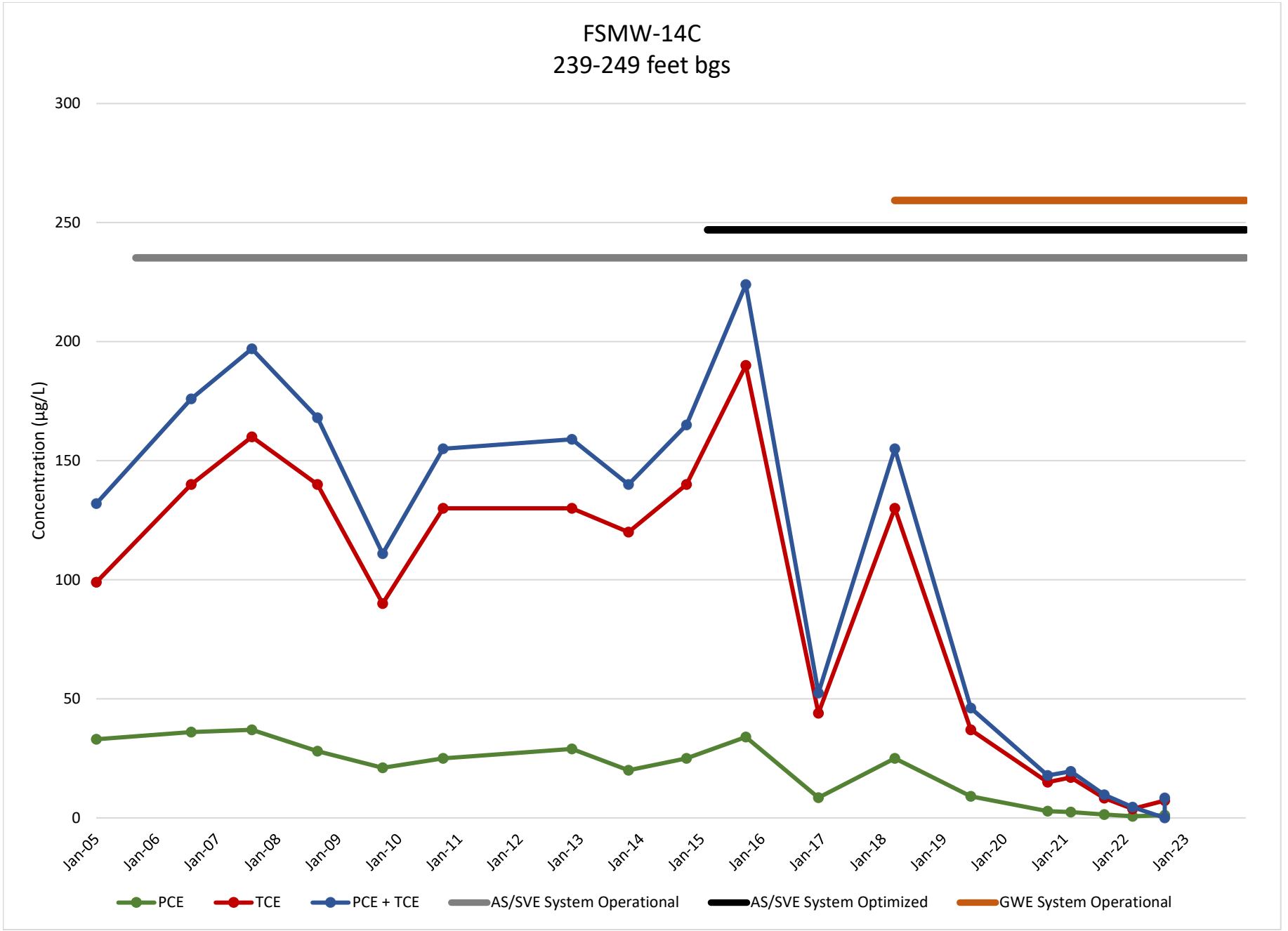

FSMW-13A
69-79 feet bgs
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational


FSMW-13B
119-129 feet bgs
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Concentration (µg/L)
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational


FSMW-13C
239-249 feet bgs
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational


FSMW-14A
119-129 feet bgs
Concentration (µg/L)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational


FSMW-14B
159-169 feet bgs
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (µg/L)
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational


FSMW-14C
239-249 feet bgs
300
250
200
150
100
50
0
Concentration (µg/L)
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
PCE
TCE
PCE + TCE
AS/SVE System Operational
AS/SVE System Optimized
GWE System Operational