Environmental
Advantage

Environmental Advantage, Inc. 3636 N. Buffalo Road Orchard Park, New York 14127
Industrial Compliance, Hazardous Materials Management, Site Assessment/Remediation

February 10, 2023

Megan Kuczka, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: **Monitoring and Sampling Summary (4th Quarter 2022)**
Site Management Plan, Post Installation Monitoring & Inspection
MOD-PAC CORP. Site, 1801 Elmwood Avenue, Buffalo, New York

Dear Ms. Kuczka:

In accordance with the Site Management Plan (SMP)[1] for NYSDEC Site #C915314, Environmental Advantage, Inc. (EA), has prepared this summary letter report which provides the results of the inspection, monitoring and maintenance of the Sub-Slab Depressurization (SSD) systems completed from October 1, 2022 through December 31, 2022. The attachments to this letter report include figures (Attachment A), summary tables (Attachment B), well data sheets (Attachment C), and analytical laboratory reports (Attachment D).

After discussions with the New York State Department of Environmental Conservation (NYSDEC or Department), New York State Department of Health (NYSDOH) representatives, and Matrix Environmental Technologies, Inc. (METI), the engineering firm responsible for the design and annual inspection and certification of the SSD systems, it was determined that monthly gauging and quarterly groundwater sampling of the Site's four groundwater monitoring wells subject to the remedial program was warranted to investigate the potential seasonal correlation to maintaining a negative pressure of at least 0.002 inches water column (WC) in the sub-slab as the SSD Systems were designed. The monthly collection of vacuum readings for any vapor monitoring point (VMP) that fails to achieve the minimum negative pressure of at least 0.002 inches WC during quarterly SSD inspections was also initiated, until the affected VMP('s) meet the minimum negative pressure as designed (with the exception of VMP-6A[2] which is considered inactive). At the request of the Department in the September 7, 2022 Periodic Review Report (PRR) Response Letter, monthly VMP monitoring will be

1 "Site Management Plan for MOD-PAC Site, 1801 Elmwood Avenue, City of Buffalo, Erie County, New York, Site No. C915314" prepared by C&S Engineers, Inc., December 2019, revised March 2022 by Environmental Advantage, Inc.

2 VMP-6A has been verified as a dead point, as described in Section 5.1 – 'Area A Testing' of METI's "System Start-up Report and Operation and Maintenance Plan"[2] as provided within Appendix H – Operation and Maintenance Manual of the SMP. VMP-6A always exhibits positive pressure readings.

conducted from October 2022 through March 2023. The locations of the groundwater monitoring wells and SSD systems are shown on Figure 1.

Post-Installation SSD Maintenance and Monitoring

System checks are completed on a quarterly basis, at a minimum. Routine monitoring includes the identification and repair of any leaks, operational status checks of blowers and fans, documentation of manifold settings and vacuum point at each vapor extraction point, and documentation of vacuum at each monitoring point. During the quarterly system checks, pre- and post-carbon air samples are collected from Area A. Samples are submitted for laboratory analysis of volatile organic compounds (VOCs) via Environmental Protection Agency (EPA) Method TO-15. In addition, pre- and post-carbon photoionization detector (PID) readings are collected from Area A, as well as from Areas B and C effluent, on a monthly basis. Beginning in October 2022 through March 2023, documentation of vacuum at each monitoring point will also be performed on a monthly basis. Non-routine maintenance, including carbon change outs, is completed as necessary based on analytical data of pre- and post-carbon samples.

Area-specific findings during Q4 2022 are summarized in Table 1A for October, Table 1B for November, and Table 1C for December, with historical data presented in Table 2A for Area A, Table 2B for Area B, and Table 2C for Area C, all of which are provided in Attachment B. Air sample results for the current monitoring period are summarized in Table 3.

SSD Area A – Finished Product Storage Area

During Q4 2022, manometer readings for all active VMPs in Area A achieved the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-8A in November and December.

Post-carbon analytical data appear to exhibit lower concentrations of all target chlorinated compounds when compared to pre-carbon concentrations with the exception of tetrachloroethene, with an overall target chlorinated VOC (cVOC)[3] reduction of 94.58 percent. Air sample results for Q4 2022 are summarized in Table 3, with historical air sample results summarized in Table 4. The complete analytical laboratory report is provided in Attachment C.

SSD Area B – Roll Storage Area (Formerly Cold Storage Area)

During Q4 2022, manometer readings for all active VMPs achieved the minimum 0.002 inches WC in the sub-slab with the exception of VMP-5B in November and December.

[3] NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride

SSD Area C – Maintenance Area

During Q4 2022, manometer readings for all active VMPs met the minimum 0.002 inches WC in the sub-slab with the exception of VMP-3C and VMP 11-C in October and November. The EW-3C fan was out for repair during October and November and was reinstalled prior to the December monitoring event.

Groundwater Monitoring

During the current monitoring period, water table measurements were collected in October, November, and December for the six wells in the vicinity of SSDS Area A, Area B, and Area C (MW–3, MW–11, MW–12, MW–13, MW–14, and MW-15). Groundwater samples were collected on October 7, 2022 from the four monitoring wells included in the remedial program: MW–3, MW–11, MW–12, and MW–13. All samples were submitted for laboratory analysis of Target Compound List (TCL) VOCs via EPA Method 8260. Two analytes were detected at estimated concentrations below the method detection limit for each respective analyte in the rinsate blank sample from the October sampling event. It is not anticipated that the above mentioned detections in the rinsate blank would have any notable impact on the reported sample results. Historical water table measurements for the six wells in the vicinity of SSDS Area A, Area B, and Area C are summarized in Table 5. Historical groundwater elevation monitoring and sampling data results four monitoring wells included in the remedial program are summarized in Table 6. The complete analytical laboratory report is provided in Attachment D. **Please Note:** Groundwater elevation data are available for the four monitoring wells included in the remedial program only as well details on MW–14 and MW-15 are not included in the Site's remedial documents.

Corrective Measures

A carbon changeout was completed on December 9, 2022 in Area A. The spent carbon was sampled for TCLP VOCs and is pending approval for regeneration via thermal treatment. The EW-3C fan was found to be non-functional during the October monitoring event and sent out for repair; the fan was reinstalled on December 9, 2022. The EW-1C and EW-2C fans were heat traced on October 13, 2022 to prevent damage during the winter months. The electrical infrastructure was also installed for the EW-3C fan at this time. The EW-3C fan was heat traced upon re-installation in December.

Conclusions and Scheduling

During the Q4 2022 monitoring period, all active manometers met the minimum 0.002 inches WC in the sub-slab with the exception of VMP-8A and VMP-5B in November and December, and VMP-3C and VMP-11C due to the EW-3C fan being down for repair. All of the SSD systems appeared to be functioning properly.

Post-carbon analytical data collected during Q4 2022 exhibited lower concentrations of most target chlorinated compounds and non-chlorinated compounds with an overall target chlorinated VOC (cVOC) reduction of 94.58 percent. These air

analytical results indicate the carbon is adequately removing the bulk of the VOCs detected, and carbon replacement is not warranted at this time. Continued system inspections, monitoring, and sampling will be completed for the first quarter of 2023.

If you have any questions regarding this information presented above, please contact me directly for further information.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

C. Mark Hanna, CHMM
President

ATTACHMENT A

Figures

Environmental Advantage

Figure adapted from Figure 3 within the Site Management Plan for MOD-PAC BCP Site No. C915314

ENVIRONMENTAL ADVANTAGE, INC.

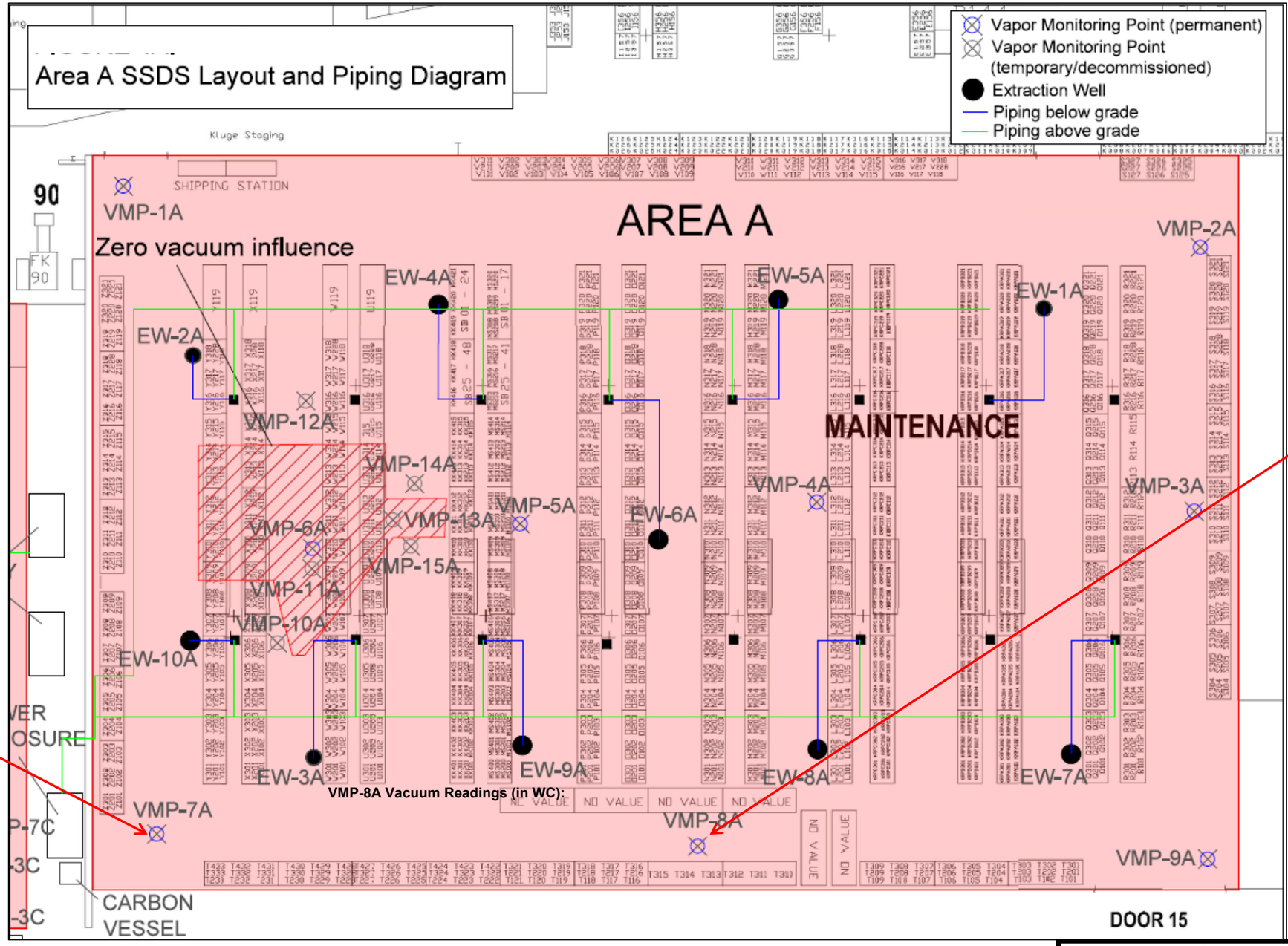
Regulatory Compliance – Site Investigations – Facility Inspections

BCP SITE PLAN
MOD-PAC, CORP.
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 11/2021	FIGURE NO: 1

THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)

N



VMP-7A Vacuum Readings (in WC):

09/26/2019: -0.025
10/03/2019: -0.019
10/09/2019: -0.020
11/15/2019: -0.013
12/03/2019: -0.010
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.010
09/15/2020: -0.017
12/08/2020: +0.000
03/30/2021: -0.020
06/11/2021: -0.026
09/08/2021: -0.028
12/10/2021: -0.017
03/10/2022: -0.010
06/06/2022: -0.027
09/22/2022: -0.032
10/07/2022: -0.025
11/07/2022: -0.021
12/09/2022: -0.022

VMP-8A Vacuum Readings (in WC):

09/26/2019: -0.021
10/03/2019: -0.017
10/09/2019: -0.015
11/15/2019: +0.000
12/03/2019: +0.000
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.017
09/15/2020: -0.014
12/08/2020: +0.000
03/30/2021: -0.014
06/11/2021: -0.022
09/08/2021: -0.190
12/10/2021: -0.005
03/10/2022: +0.000
*03/31/2022: +0.000
*04/21/2022: +0.000
*05/16/2022: +0.000
06/06/2022: +0.000
*07/06/2022: -0.018
09/22/2022: -0.016
10/07/2022: -0.018
11/07/2022: +0.000
12/09/2022: +0.000

+#.### = NON-COMPLIANT VACUUM READING

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SSDS AREA A NON-COMPLIANT MANOMETER READINGS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 09/2022	FIGURE NO: 2A

THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)

N

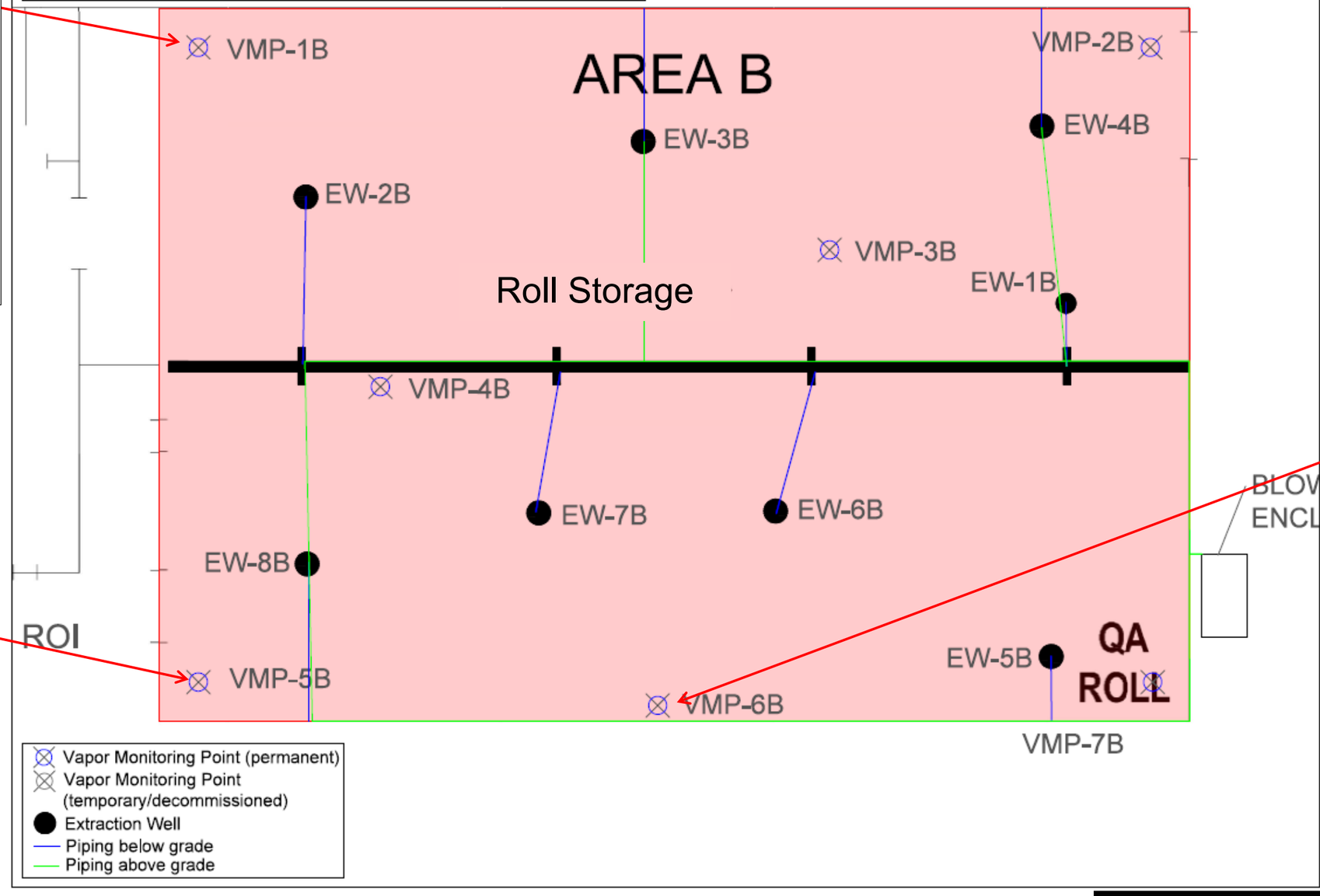
Area B SSDS Layout and Piping Diagram

VMP-1B Vacuum Readings (in WC):

09/26/2019: N/A
10/03/2019: -0.023
10/09/2019: -0.018
11/05/2019: -0.016
12/03/2019: -0.014
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.018
09/15/2020: -0.017
12/08/2020: +0.000
03/30/2021: -0.010
06/11/2021: -0.045
09/08/2021: -0.045
12/10/2021: -0.010
03/10/2022: -0.012
06/06/2022: -0.014
09/22/2022: -0.019
10/07/2022: -0.045
11/07/2022: -0.014
12/08/2022: -0.017

VMP-5B Vacuum Readings (in WC):

09/26/2019: -0.044
10/03/2019: -0.037
10/09/2019: -0.030
11/05/2019: -0.014
12/03/2019: +0.000
02/11/2020: N/A
03/27/2020: +0.000
06/29/2020: -0.026
09/15/2020: -0.045
12/08/2020: +0.000
03/30/2021: +0.000
*04/14/2021: +0.000
*05/20/2021: -0.014
06/11/2021: -0.039
09/08/2021: -0.034
12/10/2021: -0.004
03/10/2022: +0.000
*03/31/2022: -0.167
06/06/2022: +0.000
*07/06/2022: -0.010
09/22/2022: -0.017
10/07/2022: - 0.035
11/07/2022: +0.000
12/08/2022: +0.000



VMP-6B Vacuum Readings (in WC):

09/26/2019: -0.016
10/03/2019: -0.018
10/09/2019: -0.010
11/05/2019: +0.000
12/03/2019: +0.000
02/11/2020: +0.000
03/27/2020: -0.010
06/29/2020: -0.022
09/15/2020: -0.005
12/08/2020: +0.000
03/30/2021: -0.010
06/11/2021: -0.016
09/08/2021: -0.041
12/10/2021: +0.000
*01/11/2022: -0.012
03/10/2022: +0.000
*03/31/2022: -0.014
06/06/2022: -0.016
09/22/2022: -0.020
10/07/2022: - 0.018
11/07/2022: -0.016
12/08/2022: -0.015

+#.### = NON-COMPLIANT VACUUM READING

ENVIRONMENTAL ADVANTAGE, INC.
Phase I/II Audits – Site Investigations – Facility Inspections

SSDS AREA B NON-COMPLIANT MANOMETER READINGS
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 09/2022	FIGURE NO: 2B

THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)

N

Area C SSDS Layout and Piping Diagram

VMP-1C Vacuum Readings (in WC):
09/26/2019: -0.046
10/03/2019: -0.055
10/09/2019: -0.037
11/05/2019: -0.042
12/03/2019: +0.000
02/11/2020: -0.019
03/27/2020: -0.019
06/29/2020: -0.019
09/15/2020: -0.012
12/08/2020: -0.012
03/30/2021: +0.000
06/11/2021: -0.020
09/08/2021: -0.049
12/10/2021: -0.026
*02/02/2022: +0.000
03/10/2022: +0.000
*03/31/2022: -0.021
06/06/2022: -0.019
09/22/2022: -0.021
10/07/2022: -0.033
11/07/2022: -0.016
12/09/2022: -0.041

VMP-4C Vacuum Readings (in WC):
09/26/2019: -0.061
10/03/2019: -0.081
10/09/2019: -0.060
11/05/2019: -0.067
12/03/2019: +0.004
02/11/2020: -0.038
03/27/2020: -0.029
06/29/2020: -0.018
09/15/2020: -0.024
12/08/2020: -0.021
03/30/2021: +0.000
06/11/2021: -0.024
09/08/2021: -0.075
12/10/2021: -0.021
03/10/2022: +0.000
*03/31/2022: -0.030
06/06/2022: -0.024
09/22/2022: -0.018
10/07/2022: -0.044
11/07/2022: -0.023
12/09/2022: -0.045

VMP-3C Vacuum Readings (in WC):
09/26/2019: +0.000
10/03/2019: +0.000
10/09/2019: +0.000
11/05/2019: +0.000
12/03/2019: -0.026
02/11/2020: -0.032
03/27/2020: -0.038
06/29/2020: -0.040
09/15/2020: -0.038
12/08/2020: -0.026
03/30/2021: -0.037
06/11/2021: -0.039
09/08/2021: -0.040
12/10/2021: -0.038
03/10/2022: -0.038
06/06/2022: -0.037
09/22/2022: -0.041
10/07/2022: +0.000
11/07/2022: +0.000
12/09/2022: -0.039

VMP-11C Vacuum Readings (in WC):
09/26/2019: N/A
10/03/2019: N/A
10/09/2019: N/A
11/05/2019: N/A
12/03/2019: -0.045
02/11/2020: -0.045
03/27/2020: -0.060
06/29/2020: -0.061
09/15/2020: -0.039
12/08/2020: -0.038
03/30/2021: -0.020
06/11/2021: -0.097
09/08/2021: -0.022
12/10/2021: -0.025
03/10/2022: -0.022
06/06/2022: -0.039
09/22/2022: -0.046
10/07/2022: +0.000
11/07/2022: +0.000
12/09/2022: -0.022

Vapor Monitoring Point (permanent)
Vapor Monitoring Point (temporary/decommissioned)
Extraction Well
Piping below grade
Piping above grade

+#.### = NON-COMPLIANT VACUUM READING

ENVIRONMENTAL ADVANTAGE, INC.
Phase I/II Audits – Site Investigations – Facility Inspections

SSDS AREA C NON-COMPLIANT MANOMETER READINGS
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 09/2022	FIGURE NO: 2C

ATTACHMENT B

Tables

Environmental Advantage

Table 1A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
October Q4 2022 Summary

Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
10/13/2022	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	19.0	19.0	0.2	0.0

Date	Vapor Monitoring Points (in WC)								
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
10/13/2022	-0.069	-0.063	-0.071	-0.126	-0.071	0.00	-0.025	-0.018	-0.122

Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower (in WC)	System Effluent PID Reading (ppm)
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B		
10/13/2022	31.0	32.0	33.0	33.0	32.0	34.0	32.0	32.0	20.0	0.8

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
10/13/2022	-0.045	-0.063	-0.123	-0.215	-0.035	-0.018	-0.131

Area C - Maintenance Area

Date	Extraction Wells (in WC)			System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
10/13/2022	29.0	31.0	0.0	0.0	0.0	N/A

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
10/13/2022	-0.033	-0.042	0.000	-0.044	-0.044	0.000

Note:
1. in WC = inches water column; ppm = parts per million;

Environmental Advantage

Table 1B
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
November Q4 2022 Summary

Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
11/7/2022	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	18.0	19.0	0.0	0.0

Date	Vapor Monitoring Points (in WC)								
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
11/7/2022	-0.077	-0.063	-0.084	-0.122	-0.059	0.000	-0.021	0.000	-0.115

Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower (in WC)	System Effluent PID Reading (ppm)
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B		
11/7/2022	31.0	32.0	33.0	33.0	33.0	34.0	32.0	32.0	18.0	0.0

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
11/7/2022	-0.014	-0.057	-0.218	-0.312	0.00	-0.016	-0.232

Area C - Maintenance Area

Date	Extraction Wells (in WC)			System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
11/7/2022	29.0	31.0	0.0	0.0	0.0	N/A

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
11/7/2022	-0.016	-0.048	0.000	-0.023	-0.055	0.000

Note:
1. in WC = inches water column; ppm = parts per million;

Environmental Advantage

Table 1C
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
December Q4 2022 Summary

Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
12/9/2022	18.0	18.0	18.0	18.0	18.0	N/A	18.0	18.0	18.0	18.0	19.0	0.0	0.0

Date	Vapor Monitoring Points (in WC)								
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
12/9/2022	-0.074	-0.043	-0.046	-0.089	-0.048	0.00	-0.022	0.00	-0.110

Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower (in WC)	System Effluent PID Reading (ppm)
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B		
12/8/2022	32.0	33.0	34.0	34.0	33.0	34.0	33.0	32.0	19.0	0.0

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
12/8/2022	-0.017	-0.043	-0.153	-0.298	0.00	-0.015	-0.156

Area C - Maintenance Area

Date	Extraction Wells (in WC)			System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
12/9/2022	30.0	30.0	30.0	0.0	0.0	0.0

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
12/9/2022	-0.041	-0.030	-0.039	-0.045	-0.056	-0.022

Note:
1. in WC = inches water column; ppm = parts per million;

Environmental Advantage

Table 2A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
9/26/2019	14.5	14.5	15.5	14.5	15	1	14.5	15	14.5	15.5	12	3.3	1.5
10/3/2019	14	14	15	14	14	1	14	15	14	15	12	52.6	12.7
10/9/2019	13	13.5	14	13.5	13.5	1	13.5	14	13.5	14.5	13	0.0	0.0
11/5/2019	11.5	12	12.5	11.5	12	1	12	12	11.5	12.5	10	4.7	0.5
12/3/2019	11	11.5	12	11	11.5	1	11.5	11.5	11.5	12	10	1.0	0.1
1/22/2020												0.2	0.0
2/11/2020	10	10.5	11	10.5	11	1	11	11	10.5	11.5	9	0.5	0.0
3/27/2020	10	10	11	10.5	11	1	10.5	10.5	10	11	8	47.8	27.1
6/29/2020	13	13	13.5	13	13	1	13	13	13	13.5	14	0.4	0.4
7/31/2020												0.0	0.0
8/28/2020												0.0	0.0
9/15/2020	13.5	14	14.5	14	14	1	14	14.5	14.5	15	14	2.7	1.1
10/15/2020												7.8	4.6
11/4/2020												0.0	0.0
12/8/2020	12.5	13	13.5	13	13	1	13	14	13	14	12	0.6	0.0
1/4/2021												0.4	0.0
2/18/2021												1.0	0.0
3/30/2021	13	14	14	14	14	0	14	14	14	15	12	0.0	0.0
4/14/2021												0.4	0.0
5/20/2021												0.4	0.0
6/11/2021	16	16	16	16	16	0	16	17	17	17	15	0.1	0.0
7/1/2021											16	0.0	0.0
8/25/2021											18	0.0	0.0
9/8/2021	17	17	18	18	17	0	18	18	18	18	16	0.3	0.0
10/20/2021												0.0	0.0
11/19/2021												0.0	0.0
12/10/2021	16	16	17	16	17	0	17	17	17	17	15	7.6	0.0
1/11/2022											19	0.0	0.0
2/2/2022												0.08	0.0
3/10/2022	15.5	16.5	17	16.5	16.5	1	16.5	17	17	17	12	0.0	0.0
4/21/2022											19	0.0	0.0
5/16/2022											18	0.0	0.0
6/6/2022	16	17	17	16	17	0	17	17	17	17	19	0.0	0.0
7/28/2022											19	1.4	0.0
8/26/2022											19	0.5	0.0
9/22/2022	18	18	19	18	18	0	18	19	19	19	18	1.2	0.1
10/13/2022	18	18	18	18	18	0	18	18	18	19	19	0.2	0.0
11/7/2022	18	18	18	18	18	0	18	18	18	18	19	0.0	0.0
12/9/2022	18	18	18	18	18	0	18	18	18	18	19	0.0	0.0

Date	Vapor Monitoring Points (in WC)								
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
9/26/2019	- 0.066	- 0.044	- 0.075	- 0.161	- 0.128	+ 0.000	- 0.025	- 0.021	- 0.173
10/3/2019	- 0.065	- 0.037	- 0.053	- 0.139	- 0.116	+ 0.000	- 0.019	- 0.017	- 0.105
10/9/2019	- 0.061	- 0.034	- 0.045	- 0.110	- 0.103	+ 0.000	- 0.020	- 0.015	- 0.100
11/5/2019	- 0.041	- 0.029	- 0.023	- 0.067	- 0.062	+ 0.010	- 0.013	+ 0.000	- 0.067
12/3/2019	- 0.045	- 0.025	- 0.031	- 0.066	- 0.056	+ 0.020	- 0.010	+ 0.000	- 0.054
2/11/2020	- 0.037	- 0.020	- 0.015	- 0.045	- 0.036	+ 0.015	+ 0.000	+ 0.000	- 0.037
3/27/2020	- 0.025	- 0.023	- 0.016	- 0.032	- 0.032	+ 0.010	+ 0.000	+ 0.000	- 0.022
6/29/2020	- 0.053	- 0.064	- 0.063	- 0.124	- 0.080	NG	- 0.010	- 0.017	- 0.094
9/15/2020	- 0.053	- 0.052	- 0.043	- 0.093	- 0.033	NG	- 0.017	- 0.014	- 0.058
12/8/2020	-0.048	-0.033	-0.026	-0.152	-0.05	NG	+0.000	+0.000	-0.065
3/30/2021	-0.038	-0.052	-0.032	-0.063	-0.022	NG	-0.020	-0.014	-0.047
6/11/2021	-0.073	-0.065	-0.055	-0.105	-0.074	NG	-0.026	-0.022	-0.074
9/8/2021	-0.091	-0.088	-0.075	-0.140	-0.086	NG	-0.028	-0.190	-0.149
12/10/2021	-0.065	-0.056	-0.043	-0.068	-0.052	NG	-0.017	-0.005	-0.088
3/10/2022	-0.045	-0.04	-0.045	-0.080	-0.04	+0.013	-0.010	+0.000	-0.097
3/31/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
4/21/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
5/16/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
6/6/2022	-0.068	-0.060	-0.068	-0.097	-0.056	+0.000	-0.027	+0.000	-0.110
7/28/2022	NG	NG	NG	NG	NG	NG	NG	-0.018	NG
9/22/2022	-0.100	-0.098	-0.105	-0.157	-0.082	+0.000	-0.032	-0.016	-0.149
10/13/2022	-0.069	-0.063	-0.071	-0.126	-0.071	+0.000	-0.025	-0.018	-0.122
11/7/2022	-0.077	-0.063	-0.084	-0.122	-0.059	+0.000	-0.021	+0.000	-0.115
12/9/2022	-0.074	-0.043	-0.046	-0.089	-0.048	+0.000	-0.022	+0.000	-0.110

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;

Environmental Advantage

Table 2B
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower (in WC)	System Effluent PID Reading (ppm)
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B		
9/26/2019	13	13.5	13.5	14.5	13.5	14	13	12	10.5	1.3
10/3/2019	13	13.5	13.5	14	13.5	14	13	12	10	1.4
10/9/2019	12.5	13	13	13.5	13	13.5	12	12	10	0.0
11/5/2019	12	13	12.5	13	12.5	13	11.5	11	9	0.5
12/3/2019	11	11	11	11.5	11	11.5	10.5	10	8	0.1
1/22/2020										0.0
2/11/2020	12.5	13	13	13.5	13	13.5	12	11.5	9	0.0
3/27/2020	14	15	14	15	15	15	14	13.5	10	0.0
6/29/2020	16	12	17	12.5	17	17	16	15.5	16	0.0
7/31/2020										0.0
8/28/2020										0.0
9/15/2020	17	18	17	18	18	18	17	16.5	16	2.7
10/15/2020										0.3
11/4/2020										0.0
12/8/2020	16.5	17	17	17	17	17	16.5	16	13	0.4
1/4/2021										0.0
2/18/2021										0.0
3/30/2021	16	17	17	17	17	17	16	16	12	0.0
4/14/2021										0.0
5/20/2021										0.1
6/11/2021	18	18	19	20	19	19	18	18	18	0.0
7/1/2021									18	0.0
8/25/2021									20	0.0
9/8/2021	20	21	22	23	22	22	21	21	19	0.0
10/20/2021										0.0
11/19/2021										0.0
12/10/2021	20	20	21	21	21	21	20	20	16	0.0
1/11/2022									19	0.0
2/2/2022										0.0
3/10/2022	22	23	23	23.5	22.5	23	22.5	22	20	0.0
4/21/2022									19	0.0
5/16/2022									19	0.0
6/6/2022	26	27	27	28	27	27	27	26	19	0.0
7/28/2022									25	0.5
8/26/2022									23	0.0
9/22/2022	28	29	30	30	29	30	29	28	26	2.6
10/13/2022	31	32	33	33	32	34	32	32	20	0.8
11/7/2022	31	32	33	33	33	34	32	32	18	0.0
12/8/2022	32	33	34	34	33	34	33	32	19	0.0

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
9/26/2019	N/A	- 0.065	- 0.419	N/A	- 0.044	- 0.016	- 0.200
10/3/2019	- 0.023	- 0.062	- 0.303	- 0.383	- 0.037	- 0.018	- 0.196
10/9/2019	- 0.018	- 0.055	- 0.258	- 0.329	- 0.030	- 0.010	- 0.178
11/5/2019	- 0.016	- 0.018	- 0.217	- 0.271	- 0.014	+ 0.000	- 0.171
12/3/2019	- 0.014	- 0.032	- 0.114	- 0.156	+ 0.000	+ 0.000	- 0.136
2/11/2020	+ 0.000	- 0.040	N/A	- 0.161	N/A	+ 0.000	- 0.072
3/27/2020	+ 0.000	- 0.040	- 0.163	- 0.171	+ 0.000	- 0.010	- 0.152
6/29/2020	- 0.018	- 0.064	- 0.354	- 0.343	- 0.026	- 0.022	- 0.0198
9/15/2020	- 0.017	- 0.041	- 0.118	- 0.361	- 0.045	- 0.005	- 0.160
12/8/2020	+0.000	-0.02	-0.137	-0.208	+0.000	+0.000	-0.203
3/30/2021	- 0.010	- 0.045	- 0.162	- 0.219	+0.000	- 0.010	- 0.197
4/14/2021	NG	NG	NG	NG	+0.000	NG	NG
5/20/2021	NG	NG	NG	NG	-0.014	NG	NG
6/11/2021	-0.045	-0.051	-0.262	-0.903	-0.039	-0.016	-0.201
9/8/2021	-0.045	-0.058	-0.285	-1.020	-0.034	-0.041	-0.060
12/10/2021	-0.010	-0.40	-0.189	-0.177	-0.004	+0.000	-0.190
1/11/2022	NG	NG	NG	NG	NG	-0.012	NG
3/10/2022	-0.012	-0.032	-0.141	-0.262	+0.000	+0.000	-0.133
3/31/2021	NG	NG	NG	NG	-0.167	-0.014	NG
6/6/2022	-0.014	-0.050	-0.211	-0.299	+0.000	-0.016	-0.026
7/28/2022	NG	NG	NG	NG	-0.010	NG	NG
9/22/2022	-0.019	-0.057	-0.238	-0.328	-0.017	-0.020	-0.263
10/13/2022	-0.045	-0.063	-0.123	-0.215	-0.035	-0.018	-0.131
11/7/2022	-0.014	-0.057	-0.218	-0.312	0.00	-0.016	-0.232
12/8/2022	-0.017	-0.043	-0.153	-0.298	0.00	-0.015	-0.156

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. N/A indicates the VMP was not accessible during the time of the system check
3. Blank space indicates that data was not collected
4. in WC = inches water column; ppm = parts per million;
5. NG = Not Gauged

Table 2C
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area C - Maintenance Area

Date	Extraction Wells (in WC)			Fan System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
9/26/2019	43	40		1.4	0.7	
10/3/2019	44	45		1.0	4.5	
10/9/2019	44.5	45.5		0.0	0.0	
11/5/2019	44	46		0.0	0.4	
12/3/2019		39	28		1.2	0.4
1/22/2020					0.4	0.0
2/11/2020	31	30	27.5	0.2	0.0	0.0
3/27/2020	29	32	28	0.0	0.0	0.0
6/29/2020	27	31	29	0.0	0.0	0.0
7/31/2020				0.0	0.0	0.0
8/28/2020				0.0	0.0	0.0
9/15/2020	28.5	31	29	0.0	0.0	0.0
10/15/2020				0.0	0.0	0.0
11/4/2020				0.0	0.0	0.0
12/8/2020	31	31	29	0.0	0.0	0.0
1/4/2021				0.0	0.0	0.0
2/18/2021						0.0
3/30/2021		32	30		0.0	0.0
4/14/2021					0.1	0.0
5/20/2021				0.0	0.0	0.0
6/11/2021	23	31	30	0.0	0.0	0.0
7/1/2021				0.0	0.0	0.0
8/25/2021				0.0	0.0	0.0
9/8/2021	29	31	30	0.0	0.0	0.0
10/20/2021				0.0	0.0	0.0
11/19/2021				0.0	0.0	0.0
12/10/2021	30	32	30	4.7	0.0	0.0
1/11/2022				0.0	0.0	0.0
2/2/2022				0.0	0.0	0.0
3/10/2022	11	32	31	0.0	0.0	0.0
4/21/2022				0.0	0.0	0.0
5/16/2022				0.0	0.0	0.0
6/6/2022	28	31	32	0.0	0.0	0.0
7/28/2022				1.5	0.7	0.1
8/26/2022				0.1	0.0	0.0
9/22/2022	29	31	32	0.0	0.0	0.0
10/13/2022	29	31	0	0.0	0.0	N/A
11/7/2022	29	31	0	0.0	0.0	N/A
12/9/2022	30	30	30	0.0	0.0	0.0

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
9/26/2019	- 0.046	- 0.085	+ 0.000	- 0.061		
10/3/2019	- 0.055	- 0.092	+ 0.000	- 0.081		
10/9/2019	- 0.037	- 0.075	+ 0.000	- 0.060		
11/5/2019	- 0.042	- 0.067	+ 0.000	- 0.067		
12/3/2019	+ 0.000	- 0.027	- 0.026	+ 0.004	- 0.045	- 0.018
2/11/2020	- 0.019	- 0.026	- 0.032	- 0.038	- 0.045	- 0.020
3/27/2020	- 0.019	- 0.033	- 0.038	- 0.029	- 0.060	- 0.021
6/29/2020	- 0.019	- 0.050	- 0.040	- 0.018	- 0.061	- 0.044
9/15/2020	- 0.012	- 0.040	- 0.038	- 0.024	- 0.039	- 0.017
12/8/2020	-0.012	-0.038	-0.026	-0.021	-0.038	-0.016
3/30/2021	+ 0.000	- 0.022	- 0.037	+ 0.000	- 0.025	- 0.020
6/11/2021	-0.020	-0.054	-0.039	-0.024	-0.058	-0.097
9/8/2021	-0.049	-0.042	-0.040	-0.075	-0.066	-0.022
12/10/2021	-0.026	-0.040	-0.038	-0.021	-0.059	-0.025
2/2/2022	+0.000	-0.028	-0.038	-0.012	-0.034	-0.019
3/10/2022	+0.000	-0.031	-0.038	+0.000	-0.042	-0.022
3/31/2022	-0.021	NG	NG	-0.030	NG	NG
6/6/2022	-0.019	-0.058	-0.037	-0.024	-0.076	-0.039
9/22/2022	-0.021	-0.059	-0.041	-0.018	-0.086	-0.046
10/13/2022	-0.033	-0.042	0.000	-0.044	-0.044	0.000
11/7/2022	-0.016	-0.048	0.000	-0.023	-0.055	0.000
12/9/2022	-0.041	-0.03	-0.039	-0.045	-0.056	-0.022

Note:
1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. Please note that a blower is not included within the extraction system of Area C and that the extraction system is operated by fans.

Table 3
MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, NY
Summary of Air Analytical Testing Results

Parameter	December 2022 - L2269445	
	AREA A-PRE (120922)	AREA A-POST (120922)
Volatile Organic Compounds (ug/m^3)		
1,1,1-Trichloroethane	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND
1,1,2-Trichloroethane	ND	ND
1,1-Dichloroethane	ND	ND
1,1-Dichloroethene	ND	ND
1,2,4-Trichlorobenzene	ND	ND
1,2,4-Trimethylbenzene	2.89	3.58
1,2-Dibromoethane	ND	ND
1,2-Dichlorobenzene	ND	ND
1,2-Dichloroethane	ND	ND
1,2-Dichloropropane	ND	ND
1,3,5-Trimethylbenzene	ND	1.55
1,3-Butadiene	ND	ND
1,3-Dichlorobenzene	ND	ND
1,4-Dichlorobenzene	ND	ND
1,4-Dioxane	ND	ND
2,2,4-Trimethylpentane	ND	ND
2-Butanone	2.08	ND
2-Hexanone	ND	ND
3-Chloropropene	ND	ND
4-Ethyltoluene	ND	ND
4-Methyl-2-pentanone	ND	ND
Acetone	196	17.3
Benzene	1.83	0.757
Benzyl chloride	ND	ND
Bromodichloromethane	ND	ND
Bromoform	ND	ND
Bromomethane	ND	ND
Carbon disulfide	4.20	0.782
Carbon tetrachloride	ND	ND
Chlorobenzene	ND	ND
Chloroethane	ND	ND
Chloroform	24.4	ND
Chloromethane	0.748	0.791
cis-1,2-Dichloroethene	3.30	ND
cis-1,3-Dichloropropene	ND	ND
Cyclohexane	0.898	ND
Dibromochloromethane	ND	ND
Dichlorodifluoromethane	2.61	ND
Ethyl Alcohol	127	25.1
Ethyl Acetate	170	137
Ethylbenzene	3.86	1.21
Freon-113	ND	ND
Freon-114	ND	ND
Heptane	9.02	ND
Hexachlorobutadiene	ND	ND
iso-Propyl Alcohol	467	50.9
Methyl tert butyl ether	ND	ND
Methylene chloride	ND	ND
n-Hexane	27.7	4.44
o-Xylene	4.60	2.33
p/m-Xylene	14.8	6.30
Styrene	1.26	ND
tert-Butyl Alcohol	16.6	ND
Tetrachloroethene	2.94	5.51
Tetrahydrofuran	ND	ND
Toluene	18.6	4.33
trans-1,2-Dichloroethene	ND	ND
trans-1,3-Dichloropropene	ND	ND
Trichloroethene	250	8.38
Trichlorofluoromethane	1.48	ND
Vinyl bromide	ND	ND
Vinyl chloride	ND	ND

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in the Appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 or microgram per cubic meter.
4. Parameters shaded in red indicate analytes of concern (Target cVOCs)
5. Results in red indicate higher post-carbon readings over pre-carbon readings
6. Blank results = No Value Above Detection Limit

Environmental Advantage

Table 4
MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, NY
Summary of Air Analytical Testing Results

Parameter	October 2019 - L1946093			November 2019 - L1952487			December 2019 - L1957660			February 2020 - L2006152			June 2020 - L2027736		September 2020 - L2038512		09/23/2020	December 2020 - L2054640		March 2021 - L2115934		June 2021 - L2131935		September 2021 - L2148116		12/10/2021	December 2021 - L2168195		March 2022- L2212728		June 2022- L2229574		September 2022 L2252350		12/09/2022	December 2022 - L2269445	
	AREA A - PRE	AREA A-POST	AREA B	AREA A-PRE (110519)	AREA A-POST (110519)	AREA-B (110519)	AREA A-PRE (120319)	AREA A-POST (120319)	AREA B (120319)	AREA A-PRE (021120)	AREA A-POST (021120)	AREA B (120319)	AREA A-PRE (063020)	AREA A-POST (063020)	AREA A-PRE (091520)	AREA A-POST (091520)		AREA A-PRE (120820)	AREA A-POST (120820)	AREA A-PRE (033021)	AREA A-POST (033021)	AREA A-PRE (061121)	AREA A-POST (061121)	AREA A-PRE (090821)	AREA A-POST (090821)		AREA A-PRE (121021)	AREA A-POST (121021)	AREA A-PRE (031022)	AREA A-POST (031022)	AREA A-PRE (060622)	AREA A-POST (060622)	AREA A-PRE (092222)	AREA A-POST (092222)		AREA A-PRE (120922)	AREA A-POST (120922)
Volatile Organics in Air (ug/m³)																																					
1,1,1-Trichloroethane	**1.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,1-Dichloroethene	**94.8**	ND	**4.52**	**35.5**	ND	ND	**41.6**	**5.55**	**0.979**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,2,4-Trimethylbenzene	**2.5**	ND	ND	ND	ND	ND	ND	ND	ND	**48.5**	**30.2**	**56**	**21.8**	**21.5**	**64.4**	**63.4**		**29.7**	**23.7**	**34.4**	**28.8**	**46.1**	**38.9**	**42.4**	**53.1**		**59**	**49.2**	**7.28**	**4.56**	ND	**9.83**	**4.33**	**4.39**		**2.89**	**3.58**
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	**0.999**	ND	ND		ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,3,5-Trimethylbenzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	**7.87**	**4.7**	**10.2**	**5.7**	**4.75**	**14.5**	**17.2**		**8.95**	**6.44**	**12.4**	**9.54**	**14.2**	**11.2**	**10.2**	**13.6**		**21.3**	**17.2**	**2.36**	**1.43**	ND	**2.7**	**1.33**	**1.23**		ND	**1.55**
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
2,2,4-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.976**	**2.98**	ND	ND	**3.13**	ND		ND	ND	ND	ND	**3.14**	ND	ND	**1.37**		**1.37**	ND	ND	ND	ND	ND	**1.22**	ND		ND	ND
2-Butanone	**9.88**	ND	**3.07**	**4.13**	ND	ND	**5.28**	ND	ND	**4.04**	ND	ND	**6.25**	**2.45**	ND	ND		**2.16**	ND	**2.98**	ND	**3.89**	ND	**2.53**	ND		**2.78**	**1.68**	**1.8**	ND	ND	**3.27**	**2.92**	**3.16**		**2.08**	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
4-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14.5**	**9.49**	**21.8**	**4.22**	**3.87**	**12.4**	**10.9**		**3.95**	**2.79**	**6.1**	**4.46**	**10.7**	**8.26**	**6**	**8.26**		**30**	**21.6**	ND	ND	ND	**1.85**	ND	ND		ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	**9.71**	ND	**4.47**	ND	ND	**3.53**		ND	ND	ND	ND	ND	ND	ND	**3.43**		ND	ND
Acetone	**59.4**	**10.5**	**22.7**	**49.9**	ND	**69.8**	**75.5**	**4.44**	**13.3**	**87.4**	ND	**53.4**	**100**	**10.6**	**26.6**	**9.95**		**195**	**12.3**	**73.6**	**12.5**	**73.6**	**20.7**	**38.2**	**40.4**		**108**	**29.2**	**134**	**10.6**	**668**	**58.7**	**69.6**	**33.5**		**196**	**17.3**
Benzene	**0.891**	ND	ND	ND	ND	ND	ND	ND	ND	**5.34**	**2.5**	**10.4**	ND	**0.987**	**4.79**	**2.43**		**1.42**	**0.69**	**2.25**	**1.03**	**10.7**	**4.98**	**2.75**	**5.46**		**2.58**	**1.04**	ND	ND	ND	**1.53**	**1.56**	ND		**1.83**	**0.757**
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Bromodichloromethane	ND	ND	ND	**9.71**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	**2.17**	ND	ND	ND	ND		ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	**1.29**	ND	ND	ND	ND		ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	**0.835**	ND	ND	**21.5**	ND	**5.82**	**6.42**	**4.42**	**2.21**		**1.45**	**0.931**	**2.42**	**0.944**	**7.41**	**2.68**	**3.83**	**12.5**		**4.61**	**2.56**	**1.3**	**0.956**	**7.51**	**3.74**	**8.16**	**6.26**		**4.20**	**0.782**
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**1.26**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	**0.953**	ND	ND	ND		ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Chloroform	**14.4**	ND	ND	**9.86**	ND	ND	**20.3**	**1.69**	ND	**17**	**1.51**	ND	**16.7**	**31.8**	**20.7**	**17.5**		**27.1**	**1.35**	**38.4**	**12.6**	**46.7**	**59.6**	**31.5**	**42.7**		**26.2**	**1.2**	**40.5**	**0.986**	**21.6**	**1.67**	**14**	**31.3**		**24.4**	ND
Chloromethane	**0.591**	**0.745**	ND	ND	ND	ND	ND	**0.603**	**0.785**	ND	**0.446**	**1.21**	ND	**0.77**	ND	**0.438**		**0.626**	**0.630**	**0.648**	**0.766**	ND	**0.558**	ND	**0.564**		**0.605**	**0.465**	**0.62**	**1.01**	ND	**0.812**	**0.849**	**0.518**		**0.748**	**0.791**
cis-1,2-Dichloroethene	**88.8**	ND	ND	**33.5**	ND	ND	**41.6**	**5.55**	**0.979**	**22.5**	**12.5**	ND	**26.1**	**63**	**19.2**	**21.7**		**15.1**	ND	**11.2**	**11.3**	**11.7**	**29.1**	**10.1**	**13.7**		**3.87**	ND	**3.26**	ND	ND	**0.999**	**5.27**	**6.03**		**3.30**	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Cyclohexane	**4.23**	ND	ND	**2**	ND	**2.52**	ND	ND	ND	**1.61**	ND	**0.847**	ND	ND	**2.54**	**0.823**		**2.1**	ND	**1.41**	ND	**2.42**	ND	ND	**1.29**		**1.61**	ND	ND	ND	ND	ND	**0.981**	ND		**0.898**	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Dichlorodifluoromethane	**1.99**	**1.78**	**1.98**	**2.13**	ND	ND	ND	**2.1**	**2.93**	ND	**1.47**	**1.99**	ND	**2.15**	ND	**1.61**		**2.41**	**2.38**	**1.95**	**2.04**	**2.06**	**1.87**	**2.64**	**2.14**		**2.1**	ND	**2.35**	**2.39**	ND	**3.12**	**3.2**	**2.27**		**2.61**	ND
Ethyl Alcohol	**14.3**	**23.4**	**16**	**22.2**	ND	**61.6**	**43.5**	**34.5**	**10.3**	**63.7**	**40.9**	**30.1**	**143**	**112**	**106**	**81.8**		**91**	**57.1**	**71.6**	**86.7**	**87.8**	**61.6**	**49.7**	**64.1**		**79**	**23.2**	**129**	ND	**148**	**119**	**126**	**83.8**		**127**	**25.1**
Ethyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	**3.27**	**3.13**	**4.4**	**4.14**	ND	ND		**3.41**	**2.5**	ND	ND	ND	**3.6**	**4.72**	**ND**		**170**	**137**
Ethylbenzene	**1.58**	ND	**0.973**	**2.32**	ND	ND	**3.54**	ND	ND	**37.6**	**20**	**60.4**	**6.65**	**5.13**	**17.9**	**13.6**		**16.8**	**5.08**	**15.9**	**6.91**	**19.1**	**11.5**	**9.64**	**16.8**		**7.12**	**4.17**	**3.61**	ND	ND	**3.87**	**2.21**	**1.12**		**3.86**	**1.21**
Freon-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Freon-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Heptane	**14.3**	ND	**2.35**	**9.51**	ND	**6.27**	**18.2**	ND	**1.25**	**16.6**	**1.01**	**14.1**	**5.7**	**1.25**	**6.31**	**1.31**		**24.9**	ND	**7.38**	**0.836**	**6.64**	**1.94**	**1.98**	**3.74**		**7.09**	ND	**13.2**	ND	ND	**1.75**	**1.79**	**ND**		**9.02**	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
iso-Propyl Alcohol	**44**	**48.2**	**28**	**103**	ND	**742**	**275**	**1.96**	**7.03**	**157**	**9.44**	**44.2**	**191**	**472**	**83.8**	**34.4**		**371**	**32.9**	**253**	**164**	**95.9**	**533**	**38.8**	**95.9**		**256**	**16.1**	**283**	**3.22**	**5090**	**733 D**	**56.5**	**157**		**467**	**50.9**
Methyl tert butyl ether	**ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Methylene chloride	**9.21**	**13.2**	**9.87**	**3.68**	**5.45**	**5.35**	ND	**4.45**	**3.61**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	**1.79**	ND	ND	**6.62**	ND		ND	ND	**1.75**	ND	ND	ND	**3.07**	ND		ND	ND
n-Hexane	**6.06**	**5.08**	**1.72**	**5.22**	**1.89**	**3.98**	**28.2**	**1.2**	**1.54**	**20.7**	**0.948**	**6.1**	**12.2**	**2.59**	**29.3**	**3.67**		**18.1**	**2.31**	**33.7**	**5.15**	**73.7**	**14.9**	**4.12**	**61.3**		**17.9**	**2.07**	**7.68**	ND	**14.4**	**4.86**	**12.5**	**8.07**		**27.7**	**4.44**
o-Xylene	**1.55**	ND	**1.64**	**2.35**	ND	**2.81**	**3.14**	ND	ND	**46.5**	**26.9**	**64.7**	**12.1**	**10.2**	**33.1**	**26.6**		**25.5**	**10.5**	**28.9**	**14.9**	**30.9**	**20.4**	**20.1**	**31.3**		**13.1**	**8.3**	**4.47**	**1.9**	ND	**6.34**	**3.61**	**2.28**		**4.60**	**2.33**
p/m-Xylene	**5.3**	ND	**4.34**	**8.08**	ND	**9.6**	**11.7**	ND	**2.07**	**138**	**77.7**	**181**	**28.1**	**23**	**83.4**	**65.6**		**69.9**	**25.4**	**71.2**	**33.9**	**89**	**57.8**	**48.6**	**79.1**		**33.2**	**19.8**	**13.9**	**4.6**	**18.6**	**17.3**	**9.86**	**5.26**		**14.8**	**6.30**
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.78**	ND	**0.873**	**3.17**	ND	ND	**0.856**		**2.14**	ND	ND	ND	ND	ND	**1.29**	**1.23**		ND	ND	ND	ND	ND	**0.856**	ND	ND		**1.26**	ND
tert-Butyl Alcohol	ND	ND	ND	**3.64**	ND	**5.67**	**7.31**	ND	ND	**7.64**	ND	**1.7**	**11.9**	ND	ND	ND		**9.31**	ND	**5.15**	ND	**3.58**	ND	**2.26**	**8.94**		**11**	**1.73**	**13.5**	ND	**20.3**	ND	**6.55**	**4.79**		**16.6**	ND
Tetrachloroethene	**2.12**	ND	**77.3**	ND	ND	**31.4**	ND	**1.97**	**12.4**	ND	ND	**10.6**	**5.78**	**5.8**	**4.95**	**2.3**		**1.69**	ND	**4.12**	ND	**2.63**	ND	**2.28**	ND		ND	ND	**1.75**	ND	ND	ND	**2.31**	ND		**2.94**	**5.51**
Tetrahydrofuran	**47.2**	ND	**9.53**	**12.1**	ND	**4.98**	**13**	**7.73**	ND	**5.84**	**4.72**	**2.01**	**5.43**	**106**	ND	**6.55**		**1.55**	ND	ND	ND	ND	**2.43**	**2.14**	**3.19**		ND	ND	ND	ND	ND	**4.16**	ND	**2.22**		ND	ND
Toluene	**1.89**	ND	**1.55**	**6.1**	ND	**8.55**	**12.7**	ND	**2.07**	**131**	**66.3**	**168**	**23.2**	**15.8**	**65.6**	**45.2**		**31.3**	**11.5**	**39.2**	**20.1**	**93.5**	**52**	**36.6**	**62.2**		**37.7**	**20.4**	**14.5**	**2.81**	**20.3**	**18.4**	**11.6**	**4.37**		**18.6**	**4.33**
trans-1,2-Dichloroethene	**6.03**	ND	ND	**2**	ND	ND	ND	ND	ND	ND	**3.33**	ND	ND	**2.67**	ND	**1.12**		**0.852**	ND	ND	**1.03**	ND	**1.72**	ND	**0.841**		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Trichloroethene	**2630**	ND	**554**	**978**	ND	**236**	**1030**	**2.48**	**104**	**656**	**10.8**	**79.5**	**983**	**17.2**	**736**	**133**		**508**	**19.3**	**378**	**22**	**469**	**29.3**	**559**	**1.27**		**259**	**16**	**224**	**7.95**	**262**	**18.4**	**353**	**29.4**		**250**	**8.38**
Trichlorofluoromethane	**1.48**	**3.62**	**2.69**	ND	**2.67**	ND	ND	**3.47**	**1.42**	ND	**1.78**	**1.37**	**10.2**	**10.7**	**3.36**	**4.40**		**1.4**	**2.51**	**1.69**	**1.79**	**3.53**	**3.47**	**6.07**	**4.08**		**1.78**	ND	**1.4**	ND	ND	**5.22**	**3.73**	**4.61**		**1.48**	ND
Vinyl bromide	ND	ND	ND	**1.78**	ND	**2.55**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Vinyl chloride	ND	ND	ND	**1.04**	ND	**1.49**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Total Target cVOCs	2,826.04	13.20	**NC**	1,051.72	5.45	**NC**	1,113.20	20.00	**NC**	678.50	23.30	**NC**	1,014.88	86.00	760.15	157.00		524.79	19.30	393.32	35.09	483.33	58.40	578.00	14.97		262.87	16.00	230.76	7.95	262.00	19.40	363.65	35.43		256.24	13.89
Percent Decrease of CVOCs Pre to Post Carbon (%)	-99.53		**NC**	-99.48		**NC**	-98.20		**NC**	-96.57		**NC**	-91.53		-79.35			-96.32		-91.08		-87.92		-97.41			-93.91		-96.55		-92.60		-90.26			-94.58	
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	**NA**		**NC**	-62.78		**NC**	-60.61		**NC**	-75.99		**NC**	-64.09		-73.10			-81.43		-86.08		-82.90		-79.55			-90.70		-91.83		-90.73		-87.13			-90.93	

CARBON CHANGEOUT

Notes:
1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m³ or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.

5. Parameters shaded in red indicate analytes of concern (Target cVOCs). NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride
6. Results in red indicate post carbon result higher than pre carbon result.
7. ND = No Value Above Detection Limit (Non-detect); NC = Not Calculated ; D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
8. In some instances where the pre-sample is ND and the post sample presents a reportable value, the ND pre-sample may be due to sample dilution. Refer to analytical reports for dilution factors.

Environmental Advantage

Table 5
Historical Groundwater Monitoring Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Trichloroethene (µg/L) NY-TOGS-GA (5 µg/L)	% Increase/ Decrease TCE
MW - 3	2/5/18	600.71	5.05	595.66	**280**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.71	NG	NG	ND	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.71	NG	NG	**220**	-21.43
	4/15/20	600.71	5.54	595.17	**370 JH**	**32.14**
	3/10/21	600.71	6.10	594.61	NT	N/A
	3/30/21	600.71	5.95	594.76	NT	N/A
	4/14/21	600.71	5.98	594.73	**340**	**21.43**
	5/20/21	600.71	6.10	594.61	NT	N/A
	6/11/21	600.71	6.12	594.59	NT	N/A
	7/1/21	600.71	6.30	594.41	**400**	**42.86**
	8/25/21	600.71	5.80	594.91	NT	N/A
	9/22/21	600.71	5.45	595.26	NT	N/A
	11/19/21	600.71	5.30	595.41	**340**	**21.43**
	12/10/21	600.71	5.55	595.16	NT	N/A
	1/12/22	600.71	5.70	595.01	**190**	-32.14
	2/2/22	600.71	6.09	594.62	NT	N/A
	3/10/22	600.71	6.44	594.27	NT	N/A
	4/5/22	600.71	5.65	595.06	**280**	0.00
	5/16/22	600.71	5.81	594.90	NT	N/A
	6/6/22	600.71	5.70	595.01	NT	N/A
	7/6/22	600.71	5.91	594.80	**240**	-14.29
	8/9/22	600.71	5.85	594.86	NT	N/A
	9/22/22	600.71	6.18	594.53	NT	N/A
	10/7/22	600.71	6.03	594.68	**350**	**25.00**
	11/7/22	600.71	5.71	595.00	NT	N/A
	12/8/22	600.71	5.55	595.16	NT	N/A
MW - 11	2/5/18	600.41	4.66	595.75	**40**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.41	NG	NG	**20**	-50.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.41	NG	NG	**16**	-60.00
	4/15/20	600.41	5.27	595.14	**45 JH**	**12.50**
	3/10/21	600.41	5.82	594.59	NT	N/A
	3/30/21	600.41	5.74	594.67	NT	N/A
	4/14/21	600.41	5.74	594.67	**16**	-60.00
	5/20/21	600.41	5.84	594.57	NT	N/A
	6/11/21	600.41	5.85	594.56	NT	N/A
	7/1/21	600.41	6.00	594.41	**47**	**17.50**
	8/25/21	600.41	5.58	594.83	NT	N/A
	9/22/21	600.41	5.32	595.09	NT	N/A
	11/19/21	600.41	5.15	595.26	**32**	-20.00
	12/10/21	600.41	5.35	595.06	NT	N/A
	1/12/22	600.41	5.45	594.96	**22**	-45.00
	2/2/22	600.41	5.80	594.61	NT	N/A
	3/10/22	600.41	5.21	595.20	NT	N/A
	4/5/22	600.41	5.45	594.96	**24**	-40.00
	5/16/22	600.41	5.49	594.92	NT	N/A
	6/6/22	600.41	5.46	594.95	NT	N/A
	7/6/22	600.41	5.63	594.78	**27**	-32.50
	8/9/22	600.41	5.71	594.70	NT	N/A
	9/22/22	600.41	5.90	594.51	NT	N/A
	10/7/22	600.41	5.80	594.61	**34**	-15.00
	11/7/22	600.41	5.61	594.80	NT	N/A
	12/8/22	600.41	5.38	595.03	NT	N/A
MW - 12	2/5/18	600.50	4.52	595.98	**0.44 J**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.50	NG	NG	**ND**	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.50	NG	NG	**ND**	-100.00
	4/15/20	600.50	4.41	596.09	**ND**	-100.00
	3/10/21	600.50	5.03	595.47	NT	N/A
	3/30/21	600.50	4.86	595.64	NT	N/A
	4/14/21	600.50	4.86	595.64	**ND**	-100.00
	5/20/21	600.50	5.05	595.45	NT	N/A
	6/11/21	600.50	5.10	595.40	NT	N/A
	7/1/21	600.50	5.35	595.15	**ND**	-100.00
	8/25/21	600.50	4.80	595.70	NT	N/A
	9/22/21	600.50	4.40	596.10	NT	N/A
	11/19/21	600.50	4.10	596.40	**ND**	-100.00
	12/10/21	600.50	4.35	596.15	NT	N/A
	1/12/22	600.50	4.58	595.92	**ND**	-100.00
	2/2/22	600.50	5.20	595.30	NT	N/A
	3/10/22	600.50	4.30	596.20	NT	N/A
	4/5/22	600.50	4.41	596.09	**ND**	-100.00
	5/16/22	600.50	5.30	595.20	NT	N/A
	6/6/22	600.50	4.73	595.77	NT	N/A
	7/6/22	600.50	4.10	596.40	**ND**	-100.00
	8/9/22	600.50	4.89	595.61	NT	N/A
	9/22/22	600.50	5.15	595.35	NT	N/A
	10/7/22	600.50	5.04	595.46	**ND**	-100.00
	11/7/22	600.50	4.62	595.88	NT	N/A
	12/8/22	600.50	4.42	596.08	NT	N/A
MW - 13	2/5/18	600.31	4.44	595.87	**160**	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.31	NG	NG	**78**	-51.25
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.31	NG	NG	**240**	**50.00**
	4/15/20	600.31	3.70	596.61	**140 JH**	-12.50
	3/10/21	600.31	4.25	596.06	NT	N/A
	3/30/21	600.31	4.10	596.21	NT	N/A
	4/14/21	600.31	4.13	596.18	**95**	-40.63
	5/20/21	600.31	4.32	595.99	NT	N/A
	6/11/21	600.31	4.40	595.91	NT	N/A
	7/1/21	600.31	4.60	595.71	**150**	-6.25
	8/25/21	600.31	4.10	596.21	NT	N/A
	9/22/21	600.31	3.35	596.96	NT	N/A
	11/19/21	600.31	3.30	597.01	**73**	-54.38
	12/10/21	600.31	3.50	596.81	NT	N/A
	1/12/22	600.31	3.85	596.46	**74**	-53.75
	2/2/22	600.31	4.30	596.01	NT	N/A
	3/10/22	600.31	4.46	595.85	NT	N/A
	4/5/22	600.31	3.80	596.51	**59**	-63.13
	5/16/22	600.31	4.10	596.21	NT	N/A
	6/6/22	600.31	4.23	596.08	NT	N/A
	7/6/22	600.31	4.11	596.20	**89**	-44.38
	8/9/22	600.31	3.90	596.41	NT	N/A
	9/22/22	600.31	4.45	595.86	NT	N/A
	10/7/22	600.31	5.66	594.65	**72**	-55.00
	11/7/22	600.31	3.78	596.53	NT	N/A
	12/8/22	600.31	3.45	596.86	NT	N/A
MW - 14	3/10/21		6.76	-6.76	NT	N/A
	3/30/21		6.72	-6.72	NT	N/A
	4/14/21		6.73	-6.73	NT	N/A
	5/20/21		6.75	-6.75	NT	N/A
	6/11/21		6.80	-6.80	NT	N/A
	7/1/21		6.95	-6.95	NT	N/A
	8/25/21		6.50	-6.50	NT	N/A
	9/22/21		6.15	-6.15	NT	N/A
	11/19/21		6.10	-6.10	NT	N/A
	12/10/21		6.30	-6.30	NT	N/A
	1/12/22		6.40	-6.40	NT	N/A
	2/2/22		6.74	-6.74	NT	N/A
	3/10/22		7.36	-7.36	NT	N/A
	4/5/22		6.40	-6.40	NT	N/A
	5/16/22		6.54	-6.54	NT	N/A
	6/6/22		6.31	-6.31	NT	N/A
	7/6/22		6.57	-6.57	NT	N/A
	8/9/22		6.61	-6.61	NT	N/A
	9/22/22		6.82	-6.82	NT	N/A
	10/7/22		7.56	-7.56	NT	N/A
	11/7/22		6.52	-6.52	NT	N/A
	12/8/22		6.34	-6.34	NT	N/A
MW - 15	3/10/21		5.42	-5.42	NT	N/A
	3/30/21		5.32	-5.32	NT	N/A
	4/14/21		5.34	-5.34	NT	N/A
	5/20/21		5.40	-5.40	NT	N/A
	6/11/21		5.60	-5.60	NT	N/A
	7/1/21		5.60	-5.60	NT	N/A
	8/25/21		5.18	-5.18	NT	N/A
	9/22/21		3.85	-3.85	NT	N/A
	11/19/21		4.80	-4.80	NT	N/A
	12/10/21		4.90	-4.90	NT	N/A
	1/12/22		5.05	-5.05	NT	N/A
	2/2/22		6.02	-6.02	NT	N/A
	3/10/22		4.90	-4.90	NT	N/A
	4/5/22		5.08	-5.08	NT	N/A
	5/16/22		6.04	-6.04	NT	N/A
	6/6/22		5.12	-5.12	NT	N/A
	7/6/22		5.27	-5.27	NT	N/A
	8/9/22		5.31	-5.31	NT	N/A
	9/22/22		5.50	-5.50	NT	N/A
	10/7/22		7.50	-7.50	NT	N/A
	11/7/22		7.61	-7.61	NT	N/A
	12/8/22		5.00	-5.00	NT	N/A

Notes:

1. NG = Not Gauged; ND = Non-Detect; NT = Not tested; N/A = Not Applicable; J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). ; H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection;
2. Water Levels measured from top of riser
3. Blue Shading = Result exceeds NY-TOGS-GA for TCE
4. **RED BOLDED** = Percent increase of TCE from Baseline
5. **BLUE BOLDED** = Result changed as a result of data validation.
6. Data Validation was not preformed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 1/12/22.

Table 6
Historical Groundwater Monitoring and Sampling Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	1,1-Dichloroethene (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Benzene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	% Increase/ Decrease TCE
	NY-TOGS-GA (µg/L)				5	50	50	1	5	5	5	2		
MW - 3	2/5/18	600.71	5.05	595.66	ND	ND	ND	ND	**80**	**14**	**280**	**13**	**387.0**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.71	NG	NG	ND	**3.10 J**	**38**	ND	ND	ND	ND	ND	**43.4**	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.71	NG	NG	ND	ND	<20	<1	**30**	**3**	**220**	<1	**253.0**	-21.43
	4/15/20	600.71	5.54	595.17	ND	ND	**6.40 J**	ND	**57**	**7.3**	**370 JH**	**3.7**	**444.4**	**32.14**
	4/14/21	600.71	5.98	594.73	**0.88 J**	ND	ND	ND	**82**	**8.8**	**340**	**5.6**	**440.5**	**21.43**
	7/1/21	600.71	6.30	594.41	**2.0**	ND	ND	**0.41 J**	**140**	**16**	**400**	**8.1**	**566.5**	**42.86**
	11/19/21	600.71	5.30	595.41	**0.77 J**	ND	ND	ND	**43**	**4 J**	**340**	**2.9**	**390.7**	**21.43**
	1/12/22	600.71	5.70	595.01	**0.86**	ND	ND	**0.16 J**	**57**	**3.3**	**190**	**3.5**	**254.8**	-32.14
	4/5/22	600.71	5.65	595.06	**0.44 J**	ND	ND	ND	**46**	**5.1 J**	**280**	**2.3 J**	**333.8**	0.00
	7/6/22	600.71	5.91	594.80	**0.48 J**	ND	ND	ND	**74**	**6.2**	**240**	**3.7**	**324.4**	-14.29
	10/7/22	600.71	6.03	594.68	**0.76 J**	**6.50 J**	**7.60 J**	**0.34 J**	**92**	**6.5**	**350**	**7.2**	**470.9**	**25.00**
MW - 11	2/5/18	600.41	4.66	595.75	ND	**2.3 J**	**9.4**	**0.16 J**	**3.1**	**2.9**	**40**	**5.6**	**64.56**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.41	NG	NG	**0.35 J**	ND	**4.5 J**	ND	**14**	**25**	**20**	**9.8**	**73.65**	-50.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.41	NG	NG	ND	**150 J**	**920**	ND	<10	<10	**16**	ND	**1086.0**	-60.00
	4/15/20	600.41	5.27	595.14	ND	**2.2 J**	**11**	**0.21 J**	**7**	**10**	**45 JH**	**9**	**84.4**	**12.50**
	4/14/21	600.41	5.74	594.67	ND	ND	**ND**	ND	**8**	**9.4**	**16**	**5.7**	**39.1**	-60.00
	7/1/21	600.41	6.00	594.41	**0.35 J**	ND	ND	**0.25 J**	**13**	**17**	**47**	**10**	**87.6**	**17.50**
	11/19/21	600.41	5.15	595.26	**0.27 J**	ND	ND	**0.25 J**	**17**	**30**	**32**	**7.8**	**87.3**	-20.00
	1/12/22	600.41	5.45	594.96	**0.31 J**	ND	ND	**0.20 J**	**11**	**19**	**22**	**6.2**	**58.7**	-45.00
	4/5/22	600.41	5.45	594.96	**0.27 J**	ND	ND	**0.17 J**	**9.8**	**15**	**24**	**9.7**	**58.9**	-40.00
	7/6/22	600.41	5.63	594.78	**0.36 J**	ND	**3.6 J**	**0.22 J**	**15**	**20**	**27**	**10**	**76.2**	-32.50
	10/7/22	600.41	5.80	594.61	ND	ND	ND	**0.22 J**	**13**	**15**	**34**	**7.2**	**69.4**	-15.00
MW - 12	2/5/18	600.50	4.52	595.98	ND	ND	**2.2 J**	ND	ND	ND	**0.44 J**	ND	**2.64**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.50	NG	NG	ND	ND	**3 J**	ND	ND	ND	ND	ND	**3.0**	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.50	NG	NG	ND	ND	<200	ND	ND	ND	ND	ND	ND	-100.00
	4/15/20	600.50	4.41	596.09	ND	ND	**11**	ND	ND	ND	ND	ND	**11.0**	-100.00
	4/14/21	600.50	4.86	595.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/1/21	600.50	5.35	595.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	11/19/21	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	1/12/22	600.50	4.58	595.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/5/22	600.50	4.41	596.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/6/22	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	10/7/22	600.50	5.04	595.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
MW - 13	2/5/18	600.31	4.44	595.87	**1**	ND	ND	ND	**180**	**4.1**	**160**	**25**	**371.3**	**Baseline**
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.31	NG	NG	**1.20 J**	ND	ND	ND	**400**	**3.9 J**	**78**	**56**	**539.1**	-51.25
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.31	NG	NG	<1	ND	**28**	ND	**97**	**2**	**240**	**2**	**369.0**	**50.00**
	4/15/20	600.31	3.70	596.61	**0.73**	ND	**3.2 J**	ND	**200**	**4.4**	**140 JH**	**55**	**403.3**	-12.50
	4/14/21	600.31	4.13	596.18	**0.69**	ND	ND	ND	**150**	**1.7 J**	**95**	**70**	**317.4**	-40.63
	7/1/21	600.31	4.60	595.71	**1.5**	ND	ND	**0.18 J**	**210**	**3.9**	**150**	**88**	**453.6**	-6.25
	11/19/21	600.31	3.30	597.01	**0.45 J**	ND	ND	ND	**50**	ND	**73**	**20**	**143.5**	-54.38
	1/12/22	600.31	3.85	596.46	**1.1**	ND	ND	ND	**140**	**1.8 J**	**74**	**54**	**270.9**	-53.75
	4/5/22	600.31	3.80	596.51	**0.9**	ND	ND	ND	**130**	**1.8 J**	**59**	**75**	**266.7**	-63.13
	7/6/22	600.31	4.11	596.20	**0.73**	ND	ND	ND	**110**	**1.7 J**	**89**	**51**	**252.4**	-44.38
	10/7/22	600.31	5.66	594.65	**0.53**	**1.9 J**	ND	ND	**85**	**1.2 J**	**72**	**39**	**199.6**	-55.00

Notes:

1. NG = Not Gauged; ND = Non-Detect; J = Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). ; H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection;
2. Water Levels measured from top of riser
3. Blue Shading = Result exceeds NY-TOGS-GA
4. **RED BOLDED** = Percent increase of TCE from Baseline
5. **BLUE BOLDED** = Result changed as a result of data validation.
6. Data Validation was not preformed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 1/12/22.
7. 10/24/2019 data analyzed by eurofins Lancaster Labratories Environmental, all other data analyzed by Alpha Analyitical

Environmental Advantage

ATTACHMENT C

Well Data Sheets

Environmental Advantage

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: SB116 / MW3

Crew: JK

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 6.03

Initial Water Level (GS):

Volume Calculation: (15.0 - 6.03)(0.163) = 1.46 gal

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume (gal)	pH	Cond. (ms/cm)	Temp. (°C)	Turbidity (NTU)
947	0.5	7.26	2.63	20.67	11.2
952	1.0	7.25	1.43	21.52	0.0
958	1.75	7.26	1.42	21.34	0.0

Purge Method: Bailer/(Submersible Pump)

Initial Water Quality FAIR - SLIGHT SHEEN

Final Water Quality GOOD

SAMPLE RECORD

Date: 10/07/2022

Time: 0948

Crew: JK

Method: LOW FLOW

Sample ID: MW-3(100722)

Water Quality: GOOD

pH: 7.26

Conductivity (ms/cm): 1.42

Temperature (°C): 21.34

Turbidity (NTU): 0.0

Volume: SEE CHAIN

Analysis: "

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
1"	0.041
(2")	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 2.9 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: SB172 / MW-11

Crew: JK

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 5.8

Initial Water Level (GS):

Volume Calculation: (15.05 - 5.8)(0.041) = 0.38 gal

DTB-DTW*0.163=1-well vol

Purge Record mS/cm °C NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
1029	0.25	7.13	2.20	21.48	17.6
1032	0.50	7.0	2.42	21.23	5.3

Purge Method: Bailer/Submersible Pump

Initial Water Quality FAIR - GOOD

Final Water Quality FAIR - GOOD

SAMPLE RECORD

Date: 10/07/2022

Time: 1032

Crew: JK

Method: LOW FLOW

Sample ID: MW-11(100722)

Water Quality: GOOD

pH: 7.0

mS/cm Conductivity: 2.42

°C Temperature: 21.23

NTU Turbidity: 5.3

Volume: SEE CHAIN

Analysis: "

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 1.4 ppm

COLLECTED DUPLICATE SAMPLE.

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: MW-12

Crew: JK

Well Depth (TOR): ~~12~~ 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 5.04

Initial Water Level (GS):

Volume Calculation: (14.7 - 5.04)(0.041) = 0.40 gal

DTB-DTW*0.163=1-well vol

Purge Record (Volume: gal; Cond.: mS/cm; Temp.: °C; Turbidity: NTU)

Time	Volume	pH	Cond.	Temp.	Turbidity
1117	0.25	7.08	1.50	20.36	127.0
1120	0.40	7.14	1.18	20.94	25.0

Purge Method: Bailer/~~Submersible~~ Pump

Initial Water Quality POOR - TURBID

Final Water Quality FAIR

SAMPLE RECORD

Date: 10/07/2022

Time: 1120

Crew: JK

Method: LOW FLOW

Sample ID: MW-12(100722)

Water Quality: FAIR

pH: 7.14

Conductivity: 1.18 (mS/cm)

Temperature: 20.94 (°C)

Turbidity: 25.0 (NTU)

Volume: SEE CHAIN

Analysis: 11

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
(1")	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

COLLECTED MS + MSD SAMPLES

TOR= Top of Riser

GS= Ground Surface

Signature: [signature]

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: SB173 / MW-13

Crew: JK

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 5.66

Initial Water Level (GS):

Volume Calculation: (14.23-5.66)(0.041) = 0.35 gal

DTB-DTW*0.163=1-well vol

Purge Record mS/cm °C NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
1200	0.35	7.54	0.55	20.78	0.0

Purge Method: Bailer/~~Submersible Pump~~

Initial Water Quality 600D

Final Water Quality 600D

SAMPLE RECORD

Date: 10/07/2022

Time: 1200

Crew: JK

Method: LOW FLOW

Sample ID: MW-13(100722)

Water Quality: 600D

pH: 7.54

mS/cm Conductivity: 0.55

°C Temperature: 20.78

NTU Turbidity: 0.0

Volume: SEE CHAIN

Analysis: "

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.1 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: MW-14

Crew: SK

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 7.56

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
NO SAMPLE NEEDED

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 10/07/2022 Job #: 01304

Well ID: MW-15

Crew: SK

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): ~~BMS~~ 7.5

Initial Water Level (GS):

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
NO SAMPLE NEEDED

TOR= Top of Riser

GS= Ground Surface

Signature:

ATTACHMENT D

Analytical Laboratory Reports

Environmental Advantage

ANALYTICAL REPORT

Lab Number:	L2269445
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q4 2022 SSDS MONITORING
Project Number:	01304
Report Date:	12/23/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2269445-01	AREA A-PRE(120922)	SOIL_VAPOR	MPC BUFFALO, NY	12/09/22 00:00	12/09/22
L2269445-02	AREA A-POST(120922)	SOIL_VAPOR	MPC BUFFALO, NY	12/09/22 00:00	12/09/22

Project Name:	Q4 2022 SSDS MONITORING	**Lab Number:**	L2269445
Project Number:	01304	**Report Date:**	12/23/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: Q4 2022 SSDS MONITORING **Lab Number:** L2269445
Project Number: 01304 **Report Date:** 12/23/22

Case Narrative (continued)

Volatile Organics in Air

L2269445-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Jennifer Jerome

Title: Technical Director/Representative Date: 12/23/22

AIR

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-01
Client ID: AREA A-PRE(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/22/22 05:10
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.528	0.200	--	2.61	0.989	--		1
Chloromethane	0.362	0.200	--	0.748	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	67.6	5.00	--	127	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.7	1.00	--	196	2.38	--		1
Trichlorofluoromethane	0.263	0.200	--	1.48	1.12	--		1
Isopropanol	190	0.500	--	467	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	5.46	0.500	--	16.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.35	0.200	--	4.20	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.705	0.500	--	2.08	1.47	--		1
cis-1,2-Dichloroethene	0.832	0.200	--	3.30	0.793	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-01
Client ID: AREA A-PRE(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	47.3	0.500	--	170	1.80	--		1
Chloroform	4.99	0.200	--	24.4	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.86	0.200	--	27.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.574	0.200	--	1.83	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.261	0.200	--	0.898	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	46.5	0.200	--	250	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.20	0.200	--	9.02	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.94	0.200	--	18.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.434	0.200	--	2.94	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.888	0.200	--	3.86	0.869	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-01
Client ID: AREA A-PRE(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.40	0.400	--	14.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.296	0.200	--	1.26	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.06	0.200	--	4.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.587	0.200	--	2.89	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-02
Client ID: AREA A-POST(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/22/22 04:30
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	0.383	0.200	--	0.791	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.3	5.00	--	25.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.27	1.00	--	17.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	20.7	0.500	--	50.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.251	0.200	--	0.782	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-02
Client ID: AREA A-POST(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	38.1	0.500	--	137	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.26	0.200	--	4.44	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.237	0.200	--	0.757	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.56	0.200	--	8.38	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.15	0.200	--	4.33	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.812	0.200	--	5.51	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.279	0.200	--	1.21	0.869	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

SAMPLE RESULTS

Lab ID: L2269445-02
Client ID: AREA A-POST(120922)
Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.45	0.400	--	6.30	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.536	0.200	--	2.33	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.316	0.200	--	1.55	0.983	--		1
1,2,4-Trimethylbenzene	0.728	0.200	--	3.58	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: Q4 2022 SSDS MONITORING **Lab Number:** L2269445

Project Number: 01304 **Report Date:** 12/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/21/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1726235-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/21/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1726235-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304
Lab Number: L2269445
Report Date: 12/23/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/21/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1726235-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1726235-3								
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	97		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	85		-		70-130	-		
Acetone	78		-		40-160	-		
Trichlorofluoromethane	85		-		70-130	-		
Isopropanol	102		-		40-160	-		
1,1-Dichloroethene	86		-		70-130	-		
Tertiary butyl Alcohol	83		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	87		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	81		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1726235-3								
Ethyl Acetate	87		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q4 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2269445

Report Date: 12/23/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1726235-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2269445-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q4 2022 SSDS MONITORING	**Lab Number:**	L2269445
Project Number:	01304	**Report Date:**	12/23/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	Q4 2022 SSDS MONITORING	**Lab Number:**	L2269445
Project Number:	01304	**Report Date:**	12/23/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	Q4 2022 SSDS MONITORING	**Lab Number:**	L2269445
Project Number:	01304	**Report Date:**	12/23/22

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	Q4 2022 SSDS MONITORING	**Lab Number:**	L2269445
Project Number:	01304	**Report Date:**	12/23/22

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE ____ OF ____

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/10/22

ALPHA Job #: L2269445

Client Information

Client: ENV. ADVANTAGE INC.
Address: 3636 N. BUFFALO RD
ORCHARD PARK, NY 14127
Phone: (716) 667-3130
Fax:
Email: mhanna@envadvantage.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q4 2022 SSDS MONITORING
Project Location: MPC BUFFALO, NY
Project #: 01304
Project Manager: MARK HANNA + MARY SZUSTAK
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 01304

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
69445-01	AREA A - PRE (120922)	12/09/22			—	—	SV	JK	5L	-	-	X					TEDLAR BAG
02	AREA A - POST (120922)	12/09/22			—	—	SV	JK	5L	-	-	X					TEDLAR BAG

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 5L TEDLAR

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/09/22 14:14		12/09/22 14:14
	12/09/22 14:14		12/10/22 07:30
	12/10/22 6:0a		12/10/22 0800

ANALYTICAL REPORT

Lab Number:	L2256028
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2022 SMP GW SAMPLING
Project Number:	01304
Report Date:	10/21/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2256028-01	MW-3 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 09:58	10/07/22
L2256028-02	MW-11 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 10:32	10/07/22
L2256028-03	MW-11 (100722) DUPLICATE	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 10:32	10/07/22
L2256028-04	MW-12 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 11:20	10/07/22
L2256028-05	MW-13 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:00	10/07/22
L2256028-06	TRIP BALNK (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:30	10/07/22
L2256028-07	RINSATE BLANK (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:20	10/07/22

Project Name:	CY2022 SMP GW SAMPLING	**Lab Number:**	L2256028
Project Number:	01304	**Report Date:**	10/21/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028
Project Number: 01304 **Report Date:** 10/21/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2256028-01: The collection date and time on the chain of custody was 07-OCT-22 09:48; however, the collection date/time on the container label was 07-OCT-22 09:58. At the client's request, the collection date/time is reported as 07-OCT-22 09:58.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/21/22

ORGANICS

VOLATILES

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-01 D
Client ID: MW-3 (100722)
Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 09:58
Date Received: 10/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/19/22 19:40
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	0.34	J	ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	7.2		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.76	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	6.5		ug/l	5.0	1.4	2
Trichloroethene	350		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-01 D
Client ID: MW-3 (100722)
Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 09:58
Date Received: 10/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	92		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	7.6	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	6.5	J	ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	110		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-02 Date Collected: 10/07/22 10:32
Client ID: MW-11 (100722) Date Received: 10/07/22
Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/22 14:53
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.22	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-02 Date Collected: 10/07/22 10:32

Client ID: MW-11 (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	13		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-03 Date Collected: 10/07/22 10:32
Client ID: MW-11 (100722) DUPLICATE Date Received: 10/07/22
Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/22 15:14
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.24	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.26	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-03 Date Collected: 10/07/22 10:32

Client ID: MW-11 (100722) DUPLICATE Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-04 Date Collected: 10/07/22 11:20

Client ID: MW-12 (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/18/22 16:18

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-04 Date Collected: 10/07/22 11:20

Client ID: MW-12 (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-05 Date Collected: 10/07/22 12:00
Client ID: MW-13 (100722) Date Received: 10/07/22
Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/22 15:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	39		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.53		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	72		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-05 Date Collected: 10/07/22 12:00

Client ID: MW-13 (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	85		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.9	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-06 Date Collected: 10/07/22 12:30
Client ID: TRIP BALNK (100722) Date Received: 10/07/22
Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/22 14:11
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-06 Date Collected: 10/07/22 12:30

Client ID: TRIP BALNK (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-07 Date Collected: 10/07/22 12:20
Client ID: RINSATE BLANK (100722) Date Received: 10/07/22
Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/18/22 15:56
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.27	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

SAMPLE RESULTS

Lab ID: L2256028-07 Date Collected: 10/07/22 12:20

Client ID: RINSATE BLANK (100722) Date Received: 10/07/22

Sample Location: MOD-PAC-CORP. BUFFALO,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/22 08:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/22 08:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/22 08:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/22 12:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/22 12:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GW SAMPLING **Lab Number:** L2256028

Project Number: 01304 **Report Date:** 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/22 12:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
Methylene chloride	85		86		70-130	1		20
1,1-Dichloroethane	87		89		70-130	2		20
Chloroform	90		90		70-130	0		20
Carbon tetrachloride	86		89		63-132	3		20
1,2-Dichloropropane	87		88		70-130	1		20
Dibromochloromethane	86		84		63-130	2		20
1,1,2-Trichloroethane	94		92		70-130	2		20
Tetrachloroethene	93		94		70-130	1		20
Chlorobenzene	89		92		75-130	3		20
Trichlorofluoromethane	86		88		62-150	2		20
1,2-Dichloroethane	91		90		70-130	1		20
1,1,1-Trichloroethane	90		90		67-130	0		20
Bromodichloromethane	82		83		67-130	1		20
trans-1,3-Dichloropropene	83		82		70-130	1		20
cis-1,3-Dichloropropene	75		76		70-130	1		20
Bromoform	79		80		54-136	1		20
1,1,2,2-Tetrachloroethane	81		80		67-130	1		20
Benzene	88		90		70-130	2		20
Toluene	89		91		70-130	2		20
Ethylbenzene	87		89		70-130	2		20
Chloromethane	86		89		64-130	3		20
Bromomethane	81		83		39-139	2		20
Vinyl chloride	84		85		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
Chloroethane	95		92		55-138	3		20
1,1-Dichloroethene	85		88		61-145	3		20
trans-1,2-Dichloroethene	84		87		70-130	4		20
Trichloroethene	91		93		70-130	2		20
1,2-Dichlorobenzene	88		88		70-130	0		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	86		88		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	75		79		36-147	5		20
Acetone	80		86		58-148	7		20
Carbon disulfide	81		84		51-130	4		20
2-Butanone	77		75		63-138	3		20
4-Methyl-2-pentanone	79		80		59-130	1		20
2-Hexanone	83		79		57-130	5		20
Bromochloromethane	85		87		70-130	2		20
1,2-Dibromoethane	88		91		70-130	3		20
1,2-Dibromo-3-chloropropane	71		74		41-144	4		20
Isopropylbenzene	85		87		70-130	2		20
1,2,3-Trichlorobenzene	85		85		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
1,2,4-Trichlorobenzene	81		84		70-130	4		20
Methyl Acetate	83		83		70-130	0		20
Cyclohexane	86		89		70-130	3		20
1,4-Dioxane	84		88		56-162	5		20
Freon-113	88		90		70-130	2		20
Methyl cyclohexane	84		88		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
Methylene chloride	120		110		70-130	9		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	92		90		63-130	2		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	98		92		62-150	6		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	100		99		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	82		82		54-136	0		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	**140**	Q	130		64-130	7		20
Bromomethane	67		71		39-139	6		20
Vinyl chloride	140		120		55-140	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
Chloroethane	86		81		55-138	6		20
1,1-Dichloroethene	110		98		61-145	12		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	93		92		63-130	1		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	96		120		58-148	**22**	Q	20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	69		80		63-138	15		20
4-Methyl-2-pentanone	71		80		59-130	12		20
2-Hexanone	63		78		57-130	**21**	Q	20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	66		72		41-144	9		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	83		83		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304
Lab Number: L2256028
Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
1,2,4-Trichlorobenzene	88		85		70-130	3		20
Methyl Acetate	91		93		70-130	2		20
Cyclohexane	130		120		70-130	8		20
1,4-Dioxane	82		84		56-162	2		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	112		114		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304
Lab Number: L2256028
Report Date: 10/21/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
Methylene chloride	ND	10	8.0	80		8.9	89		70-130	11		20
1,1-Dichloroethane	ND	10	8.3	83		9.4	94		70-130	12		20
Chloroform	ND	10	8.2	82		9.4	94		70-130	14		20
Carbon tetrachloride	ND	10	8.6	86		9.6	96		63-132	11		20
1,2-Dichloropropane	ND	10	7.8	78		8.9	89		70-130	13		20
Dibromochloromethane	ND	10	8.1	81		9.3	93		63-130	14		20
1,1,2-Trichloroethane	ND	10	8.4	84		9.8	98		70-130	15		20
Tetrachloroethene	ND	10	8.6	86		9.8	98		70-130	13		20
Chlorobenzene	ND	10	8.2	82		9.6	96		75-130	16		20
Trichlorofluoromethane	ND	10	8.8	88		9.8	98		62-150	11		20
1,2-Dichloroethane	ND	10	8.6	86		9.6	96		70-130	11		20
1,1,1-Trichloroethane	ND	10	8.6	86		9.7	97		67-130	12		20
Bromodichloromethane	ND	10	7.6	76		8.7	87		67-130	13		20
trans-1,3-Dichloropropene	ND	10	7.0	70		8.3	83		70-130	17		20
cis-1,3-Dichloropropene	ND	10	5.7	**57**	Q	6.5	**65**	Q	70-130	13		20
Bromoform	ND	10	7.1	71		8.7	87		54-136	20		20
1,1,2,2-Tetrachloroethane	ND	10	7.9	79		9.3	93		67-130	16		20
Benzene	ND	10	8.2	82		9.3	93		70-130	13		20
Toluene	ND	10	8.2	82		9.3	93		70-130	13		20
Ethylbenzene	ND	10	7.9	79		9.5	95		70-130	18		20
Chloromethane	ND	10	8.3	83		9.5	95		64-130	13		20
Bromomethane	ND	10	6.8	68		8.4	84		39-139	**21**	Q	20
Vinyl chloride	ND	10	8.2	82		9.4	94		55-140	14		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
Chloroethane	ND	10	9.4	94		10	100		55-138	6		20
1,1-Dichloroethene	ND	10	8.4	84		9.6	96		61-145	13		20
trans-1,2-Dichloroethene	ND	10	8.2	82		9.2	92		70-130	11		20
Trichloroethene	ND	10	8.2	82		9.8	98		70-130	18		20
1,2-Dichlorobenzene	ND	10	7.9	79		9.5	95		70-130	18		20
1,3-Dichlorobenzene	ND	10	8.2	82		9.7	97		70-130	17		20
1,4-Dichlorobenzene	ND	10	8.0	80		9.4	94		70-130	16		20
Methyl tert butyl ether	ND	10	7.8	78		9.2	92		63-130	16		20
p/m-Xylene	ND	20	17	85		20	100		70-130	16		20
o-Xylene	ND	20	16	80		20	100		70-130	**22**	Q	20
cis-1,2-Dichloroethene	ND	10	7.9	79		9.0	90		70-130	13		20
Styrene	ND	20	18	90		21	105		70-130	15		20
Dichlorodifluoromethane	ND	10	7.8	78		8.8	88		36-147	12		20
Acetone	ND	10	7.3	73		11	110		58-148	**40**	Q	20
Carbon disulfide	ND	10	8.0	80		8.9	89		51-130	11		20
2-Butanone	ND	10	6.5	65		9.5	95		63-138	**38**	Q	20
4-Methyl-2-pentanone	ND	10	7.2	72		8.4	84		59-130	15		20
2-Hexanone	ND	10	7.5	75		9.3	93		57-130	**21**	Q	20
Bromochloromethane	ND	10	8.1	81		9.1	91		70-130	12		20
1,2-Dibromoethane	ND	10	8.2	82		9.4	94		70-130	14		20
1,2-Dibromo-3-chloropropane	ND	10	6.9	69		8.9	89		41-144	**25**	Q	20
Isopropylbenzene	ND	10	7.6	76		9.4	94		70-130	**21**	Q	20
1,2,3-Trichlorobenzene	ND	10	7.2	72		8.8	88		70-130	20		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304
Lab Number: L2256028
Report Date: 10/21/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
1,2,4-Trichlorobenzene	ND	10	6.6	**66**	Q	8.3	83		70-130	**23**	Q	20
Methyl Acetate	ND	10	7.1	71		8.2	82		70-130	14		20
Cyclohexane	ND	10	8.4J	84		9.6J	96		70-130	13		20
1,4-Dioxane	ND	500	330	66		400	80		56-162	19		20
Freon-113	ND	10	8.2	82		9.5	95		70-130	15		20
Methyl cyclohexane	ND	10	7.4J	74		8.5J	85		70-130	14		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		101		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		93		70-130
Toluene-d8	94		94		70-130

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2256028-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2256028-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	CY2022 SMP GW SAMPLING	**Lab Number:**	L2256028
Project Number:	01304	**Report Date:**	10/21/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CY2022 SMP GW SAMPLING	**Lab Number:**	L2256028
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CY2022 SMP GW SAMPLING	**Lab Number:**	L2256028
Project Number:	01304	**Report Date:**	10/21/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CY2022 SMP GW SAMPLING	**Lab Number:**	L2256028
Project Number:	01304	**Report Date:**	10/21/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/8/22

ALPHA Job #: L2256028

Client Information
Client: ENV. ADVANTAGE INC
Address: 3636 N BUFFALO Rd
ORCHARD PARK NY 14127
Phone: 716-667-3130
Fax: 716-667-3152
Email: mhanna@envadvantage.com

Project Information
Project Name: CY 2022 SMP GROUNDWATER SAMPLING
Project Location: MOD-PAC CORP, BUFFALO NY
Project # 01304
(Use Project name as Project #) ☐
Project Manager: MARK HANNA + MARY SZUSTAK
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO # 01304

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
OPEN NEW SAMPLE DELIVERY GROUP & CLOSE 10/07/2022
PLEASE ALSO EMAIL RESULTS TO mszustak@envadvantage.com

Please specify Metals or TAL.

ANALYSIS
VOCs 8260 TCL

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TCL	Sample Specific Comments	Total Bottle
56028-01	MW-3(100722)	10/07/22	0948	GW	JK	X		3
-02	MW-11(100722)		1032	GW	JK	X		3
-03	MW-11(100722) DUPLICATE		1032	GW	JK	X		3
-04	MW-12(100722)		1120	GW	JK	X		3
-04	MW-12(100722) MS		1120	GW	JK	X		3
-04	MW-12(100722) MSD		1120	GW	JK	X		3
-05	MW-13(100722)		1200	GW	JK	X		3
-06	TRIP BLANK (100722)		1230	WA	JK	X		2
-07	RINSATE BLANK (100722)	↓	1220	GW	JK	X		3
					JK			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V												
Preservative	B												

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] AAL	10/7/22 1400	[signature] AAL	10/7/22 1400
[signature] AAL	10/7/22 1800	[signature]	10/8/22 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)