Environmental Advantage

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

October 16, 2023

Megan Kuczka, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: **Monitoring and Sampling Summary (1st Quarter 2023)**
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 January 1, 2023 through March 31, 2023. 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 were conducted from October 2022 through March 2023. The locations of the groundwater monitoring wells and SSD systems are shown on Figure 1.

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.

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 Q1 2023 are summarized in Table 1A for January, Table 1B for February, and Table 1C for March, 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 Q1 2023, 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 January and VMP-7a and VMP-8A in March.

Post-carbon analytical data exhibited lower concentrations of all target chlorinated compounds when compared to pre-carbon concentrations, with an overall target chlorinated VOC (cVOC)[3] reduction of 100 percent. Air sample results for Q1 2023 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 Q1 2023, manometer readings for all active VMPs achieved the minimum 0.002 inches WC in the sub-slab with the exception of VMP-5B in January, February, and March.

SSD Area C – Maintenance Area

The EW-1C and EW-2C fans were found non-functional on January 10, 2023 after the December 2022 blizzard. Different options for Area C have been evaluated due to repeated fan malfunction and were presented in the 2023 Periodic Review Report (PRR). During Q1 2023, manometer readings were not collected in January or

[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

February due to the EW-1C and EW-2C fans being down. During the quarterly sampling event in March, all active VMPs influenced by the EW-3C fan met the minimum 0.002 inches WC in the sub-slab.

Groundwater Monitoring

During the current monitoring period, water table measurements were collected in January, February, and March 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 January 5, 2023 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. 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

As previously reported, a carbon changeout was completed on December 9, 2022 in Area A. Three 55-gallon drums containing spent carbon were transported for regeneration on January 26, 2023. Spent carbon documents are included in Attachment E.

The EW-1C and EW-2C fans were found to be non-functional on January 10, 2023 and were removed; alternate options for Area C are being evaluated due to the continued fan malfunction due to water damage, despite numerous efforts to prevent water from entering the fans such as the installation of drain lines and timers in 2021, and installation of heat tracing in October and December, 2022. Alternate options for Area C will be described in the annual PRR.

Conclusions and Scheduling

During the Q1 2023 monitoring period, all active manometers met the minimum 0.002 inches WC in the sub-slab with the exception of VMP-8A and VP-5B in January, VMP-5B in February, and VMP-7A, VMP-8A, and VMP-5B in March 2023; and VMP-1C, VMP-2C, and VMP-4C in March due to the EW-1C and EW-2C fans being down for repair. The SSD systems in Area A, Area C, and EW-3C, appeared to be functioning properly.

Post-carbon analytical data collected during Q1 2023 exhibited lower concentrations of all target chlorinated compounds and most non-chlorinated compounds with an overall target chlorinated VOC (cVOC) reduction of 100 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 second 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.

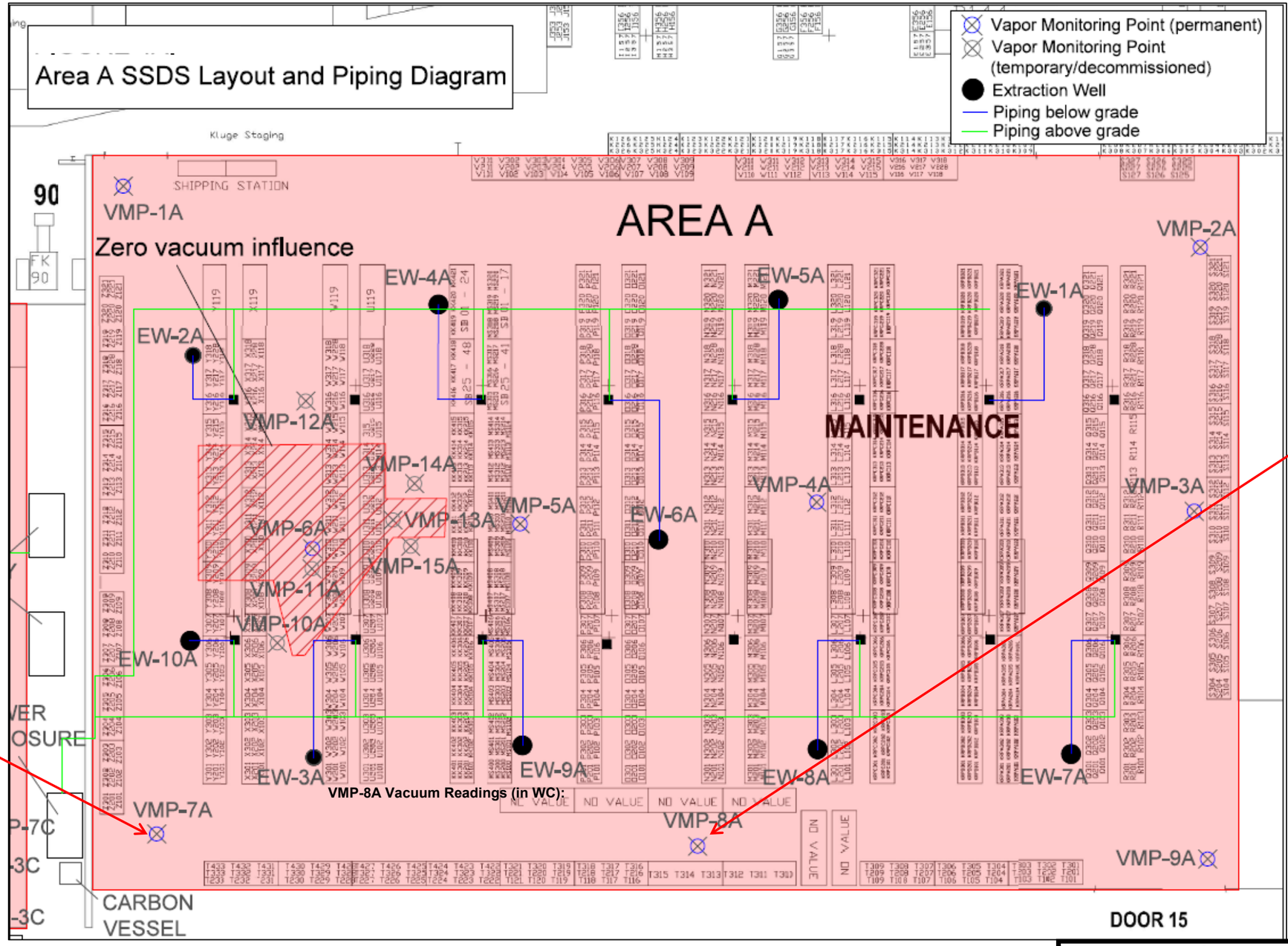
Regulatory Compliance – Site Investigations – Facility Inspections

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
01/31/2023: -0.014
02/21/2023: -0.019
03/10/2023: +0.000

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
01/31/2023: +0.000
02/21/2023: -0.007
03/10/2023: +0.000

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

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SSDS AREA A NON-COMPLIANT MANOMETER READINGS

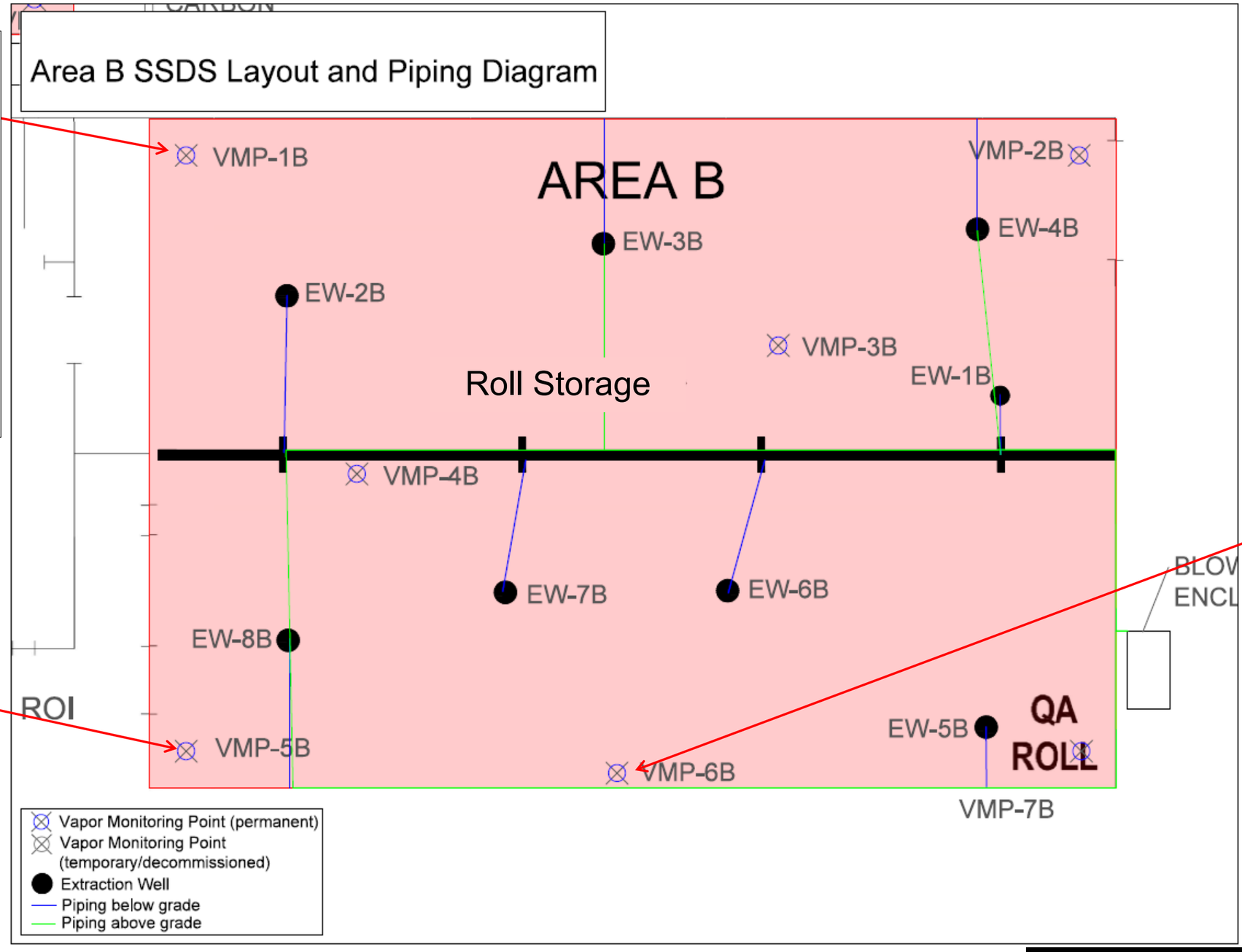
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 03/2023	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
01/31/2023: -0.009
02/21/2023: -0.100
03/10/2023: -0.015

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
01/31/2023: +0.000
02/21/2023: +0.000
03/10/2023: +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
01/31/2023: -0.012
02/21/2023: -0.014
03/10/2023: -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: 03/2023	FIGURE NO: 2B

ATTACHMENT B

Tables

Environmental Advantage

Table 1A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
January Q1 2023 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			
1/31/2023	16.0	17.0	18.0	17.0	17.0	0.0	17.0	18.0	17.0	18.0	18.0	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
1/31/2023	-0.059	-0.040	-0.042	-0.067	-0.039	+0.000	-0.014	+0.000	-0.078

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		
1/31/2023	31.0	32.0	33.0	33.0	32.0	33.0	32.0	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
1/31/2023	-0.009	-0.044	-0.187	-0.279	+0.000	-0.012	-0.158

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
1/31/2023	0.0	0.0	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
1/31/2023	NG	NG	NG	NG	NG	NG

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
February Q1 2023 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			
2/21/2023	16.0	17.0	18.0	17.0	17.0	0.0	17.0	18.0	17.0	18.0	18.0	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
2/21/2023	-0.059	-0.048	-0.061	-0.083	-0.040	+0.000	-0.019	-0.007	-0.100

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		
2/21/2023	30.0	31.0	32.0	32.0	31.0	32.0	31.0	30.0	26.0	0.0

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
2/21/2023	-0.010	-0.045	N/A	-0.299	+0.000	-0.014	-0.165

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
2/21/2023	0.0	0.0	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
2/21/2023	NG	NG	NG	NG	NG	NG

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
March Q1 2023 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			
3/10/2023	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
3/10/2023	-0.052	-0.032	-0.054	-0.067	-0.032	+0.000	+0.000	+0.000	-0.039

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		
3/10/2023	32.0	32.0	32.0	32.0	32.0	32.0	32.0	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
3/10/2023	-0.015	-0.030	-0.046	-0.266	+0.000	-0.015	-0.035

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
3/10/2023	0.0	0.0	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
3/10/2023	+0.000	+0.000	-0.031	+0.000	-0.045	-0.019

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	Pre-carbon PID	Post-carbon PID
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A	(in WC)	Reading (ppm)	Reading (ppm)
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
1/31/2023	16	17	18	17	17	0	17	18	17	18	18	0.0	0.0
2/21/2023	16	17	18	17	17	0	17	18	17	18	18	0.0	0.0
3/10/2023	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
1/31/2023	-0.059	-0.040	-0.042	-0.067	-0.039	+0.000	-0.014	+0.000	-0.078
2/21/2023	-0.059	-0.048	-0.061	-0.083	-0.040	+0.000	-0.019	-0.007	-0.100
3/10/2023	-0.052	-0.032	-0.054	-0.067	-0.032	+0.000	+0.000	+0.000	-0.039

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. N/A = Not Accessible; NG = Not Gauged

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	System Effluent
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B	(in WC)	PID Reading (ppm)
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
1/31/2023	31	32	33	33	32	33	32	32	19	0.0
2/21/2023	30	31	32	32	31	32	31	30	26	0.0
3/10/2023	32	32	32	32	32	32	32	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	+0.000	-0.016	-0.232
12/8/2022	-0.017	-0.043	-0.153	-0.298	+0.000	-0.015	-0.156
1/31/2023	-0.009	-0.044	-0.187	-0.279	+0.000	-0.012	-0.158
2/21/2023	-0.10	-0.045	N/A	-0.299	+0.000	-0.014	-0.165
3/10/2023	-0.015	-0.030	-0.046	-0.266	+0.000	-0.015	-0.035

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	NG
11/7/2022	29	31	0	0.0	0.0	NG
12/9/2022	30	30	30	0.0	0.0	0.0
1/31/2023	0.0	0.0	30	0.0	0.0	0.0
2/21/2023	0.0	0.0	30	0.0	0.0	0.0
3/10/2023	0.0	0.0	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
1/31/2023	NG	NG	NG	NG	NG	NG
2/21/2023	NG	NG	NG	NG	NG	NG
3/10/2023	+0.000	+0.000	-0.031	+0.000	-0.045	-0.019

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. N/A = Not Accessible; NG = Not Gauged
5. Please note that a blower is not included within the extraction system of Area C and that the extraction system is operated by fans.

Environmental Advantage

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

Parameter	March 2023 - L2312615	
	AREA A-PRE (030823)	AREA A-POST (030823)
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	**2.16**	ND
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	ND
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	**4.13**	ND
2-Hexanone	ND	ND
3-Chloropropene	ND	ND
4-Ethyltoluene	ND	ND
4-Methyl-2-pentanone	ND	ND
Acetone	**466**	**23.6**
Benzene	**1.45**	ND
Benzyl chloride	ND	ND
Bromodichloromethane	ND	ND
Bromoform	ND	ND
Bromomethane	ND	ND
Carbon disulfide	**ND**	**3.21**
Carbon tetrachloride	ND	ND
Chlorobenzene	ND	ND
Chloroethane	ND	ND
Chloroform	**18.9**	ND
Chloromethane	ND	ND
cis-1,2-Dichloroethene	**3.71**	ND
cis-1,3-Dichloropropene	ND	ND
Cyclohexane	ND	ND
Dibromochloromethane	ND	ND
Dichlorodifluoromethane	**2.53**	**2.84**
Ethyl Alcohol	**114**	**121**
Ethyl Acetate	**214**	**170**
Ethylbenzene	**2.68**	ND
Freon-113	ND	ND
Freon-114	ND	ND
Heptane	**18**	ND
Hexachlorobutadiene	ND	ND
iso-Propyl Alcohol	**637**	**280**
Methyl tert butyl ether	ND	ND
Methylene chloride	ND	ND
n-Hexane	ND	ND
o-Xylene	**3.03**	ND
p/m-Xylene	**10.6**	ND
Styrene	ND	ND
tert-Butyl Alcohol	**18**	ND
Tetrachloroethene	**4.17**	ND
Tetrahydrofuran	ND	ND
Toluene	**10.9**	**3.66**
trans-1,2-Dichloroethene	ND	ND
trans-1,3-Dichloropropene	ND	ND
Trichloroethene	**183**	ND
Trichlorofluoromethane	ND	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		March 2023 - L2312615	
	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)	AREA A-PRE (030823)	AREA A-POST (030823)
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	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	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	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	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	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	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	2.16	ND
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	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	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	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	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	ND	ND
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	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	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	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	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	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	4.13	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	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	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	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	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	466	23.6
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	1.45	ND
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	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	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	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	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	ND	3.21
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	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	ND	ND	0.953	ND		16	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	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	18.9	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	ND	ND
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	3.71	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	ND	ND
Cyclohexane	4.23	ND	ND	2	ND	2.52	ND	ND	ND	1.61	ND	0.847	ND	ND	2.84	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	ND	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	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	2.53	2.84
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	114	121
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	214	170
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	2.68	ND
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	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	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	18	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	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	637	280
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	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	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	ND	ND
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	3.03	ND
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	10.6	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.78	ND	0.873	3.17	ND	ND	0.556		2.14	ND	ND	ND	1.9	1.14	1.29	1.23		ND	ND	ND	ND	ND	0.856	ND	ND		1.26	ND	ND	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	18	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	4.17	ND
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	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	10.9	3.66
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	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	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	183	ND
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	ND	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	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	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	190.88	0.00
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		-100.00	
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		-93.25	

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
	1/5/23	600.71	4.70	596.01	**170**	-39.29
	2/21/23	600.71	5.70	595.01	NT	N/A
	3/24/23	600.71	5.41	595.30	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
	1/5/23	600.41	4.73	595.68	**31**	-22.50
	2/21/23	600.41	5.50	594.91	NT	N/A
	3/24/23	600.41	5.39	595.02	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
	1/5/23	600.50	3.54	596.96	**ND**	-100.00
	2/21/23	600.50	4.55	595.95	NT	N/A
	3/24/23	600.50	4.39	596.11	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
	1/5/23	600.31	2.62	597.69	**35**	-78.13
	2/21/23	600.31	3.81	596.50	NT	N/A
	3/24/23	600.31	3.46	596.85	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
	1/5/23		5.69	-5.69	NT	N/A
	2/21/23		6.46	-6.46	NT	N/A
	3/24/23		6.27	-6.27	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
	1/5/23		4.36	-4.36	NT	N/A
	2/21/23		5.13	-5.13	NT	N/A
	3/24/23		4.90	-4.90	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.

Environmental Advantage

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
	1/5/23	600.71	4.70	596.01	0.24 J	ND	ND	ND	29	1.5 J	170 R1	0.55 J	201.3	-39.29
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
	1/5/23	600.41	4.73	595.68	0.25 J	ND	ND	0.16 J	11	16	31	9.4	67.8	-22.50
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
	1/5/23	600.50	3.54	596.96	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
	1/5/23	600.31	2.62	597.69	0.19 J	ND	ND	ND	40	ND	35	6	81.2	-78.13

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 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.
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: 01/05/2023 Job #: 01304

Well ID: SB16 / MW3

Crew: SK CS

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 4.70

Initial Water Level (GS): 5.3

Volume Calculation: (15.0 - 4.70)(0.163) = 1.68 gal

DTB-DTW*0.163=1-well vol

Purge Record gal ms/cm °C NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
~~09:05~~	~~0.5~~	~~0.0~~	~~0.001~~	~~16.69~~	~~216~~
09:13	0.8	7.41	1.39	14.02	1.2
09:14	1.7	7.26	1.39	14.89	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality POOR

Final Water Quality GOOD

SAMPLE RECORD

Date: 01/05/2023 Volume: SEE CHAIN

Time: 09:20 Analysis: "

Crew: SK Chain of Custody #: —

Method: LOW FLOW Sample Type: GRAB

Sample ID: MW-3 (010523)

Water Quality: GOOD

pH: 7.26

Conductivity: 1.39

Temperature: 14.89

Turbidity: 0.0

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

Comments: HEADSPACE: 2.2 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 01/05/2023 Job #: 01304

Well ID: SB172/MW-11

Crew: JK CS

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 4.73

Initial Water Level (GS): 5.56

Volume Calculation: (15.05 - 4.73)(0.041) = 0.42 gal

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume (gal)	pH	Cond. (mS/cm)	Temp. (°C)	Turbidity (NTU)
09:37	0.2	7.15	3.00	13.78	32.6
09:39	0.3	6.96	3.03	14.62	17.5
09:42	0.4	7.10	2.19	13.72	9.1
09:44	0.5	7.21	1.91	13.53	5.8

Purge Method: Bailer/~~Submersible Pump~~

Initial Water Quality @ FAIR

Final Water Quality 600D

SAMPLE RECORD

Date: 01/05/2023

Time: 09:44

Crew: JK

Method: LOW FLOW

Sample ID: MW-11(010523)

Water Quality: 600D

pH: 7.21

Conductivity: 1.91

Temperature: 13.53

Turbidity: 5.8

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: 0.0 ppm
COLLECTED DUPLICATE SAMPLE

TOR= Top of Riser

GS= Ground Surface

Signature: [signature]

Well Data Sheet

Date: 01/05/2023 Job #: 01304

Well ID: MW-12

Crew: JK CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 3.54

Initial Water Level (GS): 4.04

Volume Calculation: (14.7-3.54)(0.041) = 0.46 gal

DTB-DTW*0.163=1-well vol

Purge Record gal | mS/cm | °C | NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
10:30	0.2	7.08	1.14	13.33	115
10:32	0.3	7.11	1.07	13.25	88.4
10:35	0.4	7.19	1.00	13.86	20.8
10:37	0.5	7.23	1.03	12.76	9.3
10:38	0.55	7.28	1.07	12.68	4.6

Purge Method: Bailer/~~Submersible Pump~~

Initial Water Quality POOR

Final Water Quality

SAMPLE RECORD

Date: 01/05/2023

Time: 10:50

Crew: JK

Method: LOW FLOW

Sample ID: MW-12(010523)

Water Quality: GOOD

pH: 7.28

Conductivity: 1.07

Temperature: 12.68

Turbidity: 4.6

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: 0.0 ppm

COLLECTED MS + MSD SAMPLES

TOR= Top of Riser

GS= Ground Surface

Signature: [signature]

Well Data Sheet

Date: 01/05/2023 Job #: 01304

Well ID: SB173 / MW-13

Crew: JK CS

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 2.62

Initial Water Level (GS): 3.32

Volume Calculation: $(14.23-2.62)(0.041) = 0.48$ gal

DTB-DTW*0.163=1-well vol

Purge Record mS/cm °C NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
11:04	0.2	7.59	1.06	9.54	3.1
11:07	0.4	7.60	1.17	9.49	0.0
11:09	0.5	7.62	1.19	9.40	0.0

Purge Method: Bailer/~~Submersible Pump~~

Initial Water Quality 600D

Final Water Quality 600D

SAMPLE RECORD

Date: 01/05/2023

Time: 11:09

Crew: JK

Method: LOW FLOW

Sample ID: MW-13 (010523)

Water Quality: 600D

pH: 7.62

Conductivity: 1.19

Temperature: 9.40

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: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: [signature]

Well Data Sheet

Date: 01/05/2023 Job #: 01304

Well ID: MW-14

Crew: SK CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 5.69

Initial Water Level (GS): 6.15

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 TAKEN

TOR= Top of Riser

GS= Ground Surface

Signature:

Well Data Sheet

Date: 01/05/2023 Job #: 01304

Well ID: MW-15

Crew: JK CS

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 4.36

Initial Water Level (GS): 4.66

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 TAKEN

TOR= Top of Riser

GS= Ground Surface

Signature:

ATTACHMENT D

Analytical Laboratory Reports

Environmental Advantage

ANALYTICAL REPORT

Lab Number:	L2312615
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q1 2023 SSDS MONITORING
Project Number:	01304
Report Date:	03/21/23

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: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2312615-01	AREA A-PRE(030823)	SOIL_VAPOR	MPC BUFFALO NY	03/08/23 15:20	03/09/23
L2312615-02	AREA A-POST(030823)	SOIL_VAPOR	MPC BUFFALO NY	03/08/23 15:20	03/09/23

Project Name:	Q1 2023 SSDS MONITORING	**Lab Number:**	L2312615
Project Number:	01304	**Report Date:**	03/21/23

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:	Q1 2023 SSDS MONITORING	**Lab Number:**	L2312615
Project Number:	01304	**Report Date:**	03/21/23

Case Narrative (continued)

Volatile Organics in Air

L2312615-01D and -02D: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

L2312615-01D,02D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG1756728-3 LCS recovery for bromoform (144%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/21/23

AIR

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-01 D
Client ID: AREA A-PRE(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/21/23 02:30
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.423	--	2.53	2.09	--		2.114
Chloromethane	ND	0.423	--	ND	0.874	--		2.114
Freon-114	ND	0.423	--	ND	2.96	--		2.114
Vinyl chloride	ND	0.423	--	ND	1.08	--		2.114
1,3-Butadiene	ND	0.423	--	ND	0.936	--		2.114
Bromomethane	ND	0.423	--	ND	1.64	--		2.114
Chloroethane	ND	0.423	--	ND	1.12	--		2.114
Ethanol	60.4	10.6	--	114	20.0	--		2.114
Vinyl bromide	ND	0.423	--	ND	1.85	--		2.114
Acetone	196	2.11	--	466	5.01	--		2.114
Trichlorofluoromethane	ND	0.423	--	ND	2.38	--		2.114
Isopropanol	259	1.06	--	637	2.61	--		2.114
1,1-Dichloroethene	ND	0.423	--	ND	1.68	--		2.114
Tertiary butyl Alcohol	5.93	1.06	--	18.0	3.21	--		2.114
Methylene chloride	ND	1.06	--	ND	3.68	--		2.114
3-Chloropropene	ND	0.423	--	ND	1.32	--		2.114
Carbon disulfide	ND	0.423	--	ND	1.32	--		2.114
Freon-113	ND	0.423	--	ND	3.24	--		2.114
trans-1,2-Dichloroethene	ND	0.423	--	ND	1.68	--		2.114
1,1-Dichloroethane	ND	0.423	--	ND	1.71	--		2.114
Methyl tert butyl ether	ND	0.423	--	ND	1.53	--		2.114
2-Butanone	1.40	1.06	--	4.13	3.13	--		2.114
cis-1,2-Dichloroethene	0.936	0.423	--	3.71	1.68	--		2.114

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-01 D
Client ID: AREA A-PRE(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
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	59.5	1.06	--	214	3.82	--		2.114
Chloroform	3.88	0.423	--	18.9	2.07	--		2.114
Tetrahydrofuran	ND	1.06	--	ND	3.13	--		2.114
1,2-Dichloroethane	ND	0.423	--	ND	1.71	--		2.114
n-Hexane	ND	0.423	--	ND	1.49	--		2.114
1,1,1-Trichloroethane	ND	0.423	--	ND	2.31	--		2.114
Benzene	0.454	0.423	--	1.45	1.35	--		2.114
Carbon tetrachloride	ND	0.423	--	ND	2.66	--		2.114
Cyclohexane	ND	0.423	--	ND	1.46	--		2.114
1,2-Dichloropropane	ND	0.423	--	ND	1.95	--		2.114
Bromodichloromethane	ND	0.423	--	ND	2.83	--		2.114
1,4-Dioxane	ND	0.423	--	ND	1.52	--		2.114
Trichloroethene	34.1	0.423	--	183	2.27	--		2.114
2,2,4-Trimethylpentane	ND	0.423	--	ND	1.98	--		2.114
Heptane	4.40	0.423	--	18.0	1.73	--		2.114
cis-1,3-Dichloropropene	ND	0.423	--	ND	1.92	--		2.114
4-Methyl-2-pentanone	ND	1.06	--	ND	4.34	--		2.114
trans-1,3-Dichloropropene	ND	0.423	--	ND	1.92	--		2.114
1,1,2-Trichloroethane	ND	0.423	--	ND	2.31	--		2.114
Toluene	2.88	0.423	--	10.9	1.59	--		2.114
2-Hexanone	ND	0.423	--	ND	1.73	--		2.114
Dibromochloromethane	ND	0.423	--	ND	3.60	--		2.114
1,2-Dibromoethane	ND	0.423	--	ND	3.25	--		2.114
Tetrachloroethene	0.615	0.423	--	4.17	2.87	--		2.114
Chlorobenzene	ND	0.423	--	ND	1.95	--		2.114
Ethylbenzene	0.617	0.423	--	2.68	1.84	--		2.114

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-01 D
Client ID: AREA A-PRE(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.45	0.846	--	10.6	3.67	--		2.114
Bromoform	ND	0.423	--	ND	4.37	--		2.114
Styrene	ND	0.423	--	ND	1.80	--		2.114
1,1,2,2-Tetrachloroethane	ND	0.423	--	ND	2.90	--		2.114
o-Xylene	0.698	0.423	--	3.03	1.84	--		2.114
4-Ethyltoluene	ND	0.423	--	ND	2.08	--		2.114
1,3,5-Trimethylbenzene	ND	0.423	--	ND	2.08	--		2.114
1,2,4-Trimethylbenzene	0.440	0.423	--	2.16	2.08	--		2.114
Benzyl chloride	ND	0.423	--	ND	2.19	--		2.114
1,3-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,4-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,2-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,2,4-Trichlorobenzene	ND	0.423	--	ND	3.14	--		2.114
Hexachlorobutadiene	ND	0.423	--	ND	4.51	--		2.114

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

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-02 D
Client ID: AREA A-POST(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/21/23 03:08
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.575	0.427	--	2.84	2.11	--		2.137
Chloromethane	ND	0.427	--	ND	0.882	--		2.137
Freon-114	ND	0.427	--	ND	2.98	--		2.137
Vinyl chloride	ND	0.427	--	ND	1.09	--		2.137
1,3-Butadiene	ND	0.427	--	ND	0.945	--		2.137
Bromomethane	ND	0.427	--	ND	1.66	--		2.137
Chloroethane	ND	0.427	--	ND	1.13	--		2.137
Ethanol	64.2	10.7	--	121	20.2	--		2.137
Vinyl bromide	ND	0.427	--	ND	1.87	--		2.137
Acetone	9.94	2.14	--	23.6	5.08	--		2.137
Trichlorofluoromethane	ND	0.427	--	ND	2.40	--		2.137
Isopropanol	114	1.07	--	280	2.63	--		2.137
1,1-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137
Tertiary butyl Alcohol	ND	1.07	--	ND	3.24	--		2.137
Methylene chloride	ND	1.07	--	ND	3.72	--		2.137
3-Chloropropene	ND	0.427	--	ND	1.34	--		2.137
Carbon disulfide	1.03	0.427	--	3.21	1.33	--		2.137
Freon-113	ND	0.427	--	ND	3.27	--		2.137
trans-1,2-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137
1,1-Dichloroethane	ND	0.427	--	ND	1.73	--		2.137
Methyl tert butyl ether	ND	0.427	--	ND	1.54	--		2.137
2-Butanone	ND	1.07	--	ND	3.16	--		2.137
cis-1,2-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-02 D
Client ID: AREA A-POST(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
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	1.07	--	170	3.86	--		2.137
Chloroform	ND	0.427	--	ND	2.09	--		2.137
Tetrahydrofuran	ND	1.07	--	ND	3.16	--		2.137
1,2-Dichloroethane	ND	0.427	--	ND	1.73	--		2.137
n-Hexane	ND	0.427	--	ND	1.50	--		2.137
1,1,1-Trichloroethane	ND	0.427	--	ND	2.33	--		2.137
Benzene	ND	0.427	--	ND	1.36	--		2.137
Carbon tetrachloride	ND	0.427	--	ND	2.69	--		2.137
Cyclohexane	ND	0.427	--	ND	1.47	--		2.137
1,2-Dichloropropane	ND	0.427	--	ND	1.97	--		2.137
Bromodichloromethane	ND	0.427	--	ND	2.86	--		2.137
1,4-Dioxane	ND	0.427	--	ND	1.54	--		2.137
Trichloroethene	ND	0.427	--	ND	2.29	--		2.137
2,2,4-Trimethylpentane	ND	0.427	--	ND	1.99	--		2.137
Heptane	ND	0.427	--	ND	1.75	--		2.137
cis-1,3-Dichloropropene	ND	0.427	--	ND	1.94	--		2.137
4-Methyl-2-pentanone	ND	1.07	--	ND	4.39	--		2.137
trans-1,3-Dichloropropene	ND	0.427	--	ND	1.94	--		2.137
1,1,2-Trichloroethane	ND	0.427	--	ND	2.33	--		2.137
Toluene	0.972	0.427	--	3.66	1.61	--		2.137
2-Hexanone	ND	0.427	--	ND	1.75	--		2.137
Dibromochloromethane	ND	0.427	--	ND	3.64	--		2.137
1,2-Dibromoethane	ND	0.427	--	ND	3.28	--		2.137
Tetrachloroethene	ND	0.427	--	ND	2.90	--		2.137
Chlorobenzene	ND	0.427	--	ND	1.97	--		2.137
Ethylbenzene	ND	0.427	--	ND	1.85	--		2.137

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

SAMPLE RESULTS

Lab ID: L2312615-02 D
Client ID: AREA A-POST(030823)
Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
Date Received: 03/09/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.855	--	ND	3.71	--		2.137
Bromoform	ND	0.427	--	ND	4.41	--		2.137
Styrene	ND	0.427	--	ND	1.82	--		2.137
1,1,2,2-Tetrachloroethane	ND	0.427	--	ND	2.93	--		2.137
o-Xylene	ND	0.427	--	ND	1.85	--		2.137
4-Ethyltoluene	ND	0.427	--	ND	2.10	--		2.137
1,3,5-Trimethylbenzene	ND	0.427	--	ND	2.10	--		2.137
1,2,4-Trimethylbenzene	ND	0.427	--	ND	2.10	--		2.137
Benzyl chloride	ND	0.427	--	ND	2.21	--		2.137
1,3-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,4-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,2-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,2,4-Trichlorobenzene	ND	0.427	--	ND	3.17	--		2.137
Hexachlorobutadiene	ND	0.427	--	ND	4.55	--		2.137

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/20/23 15:24

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: WG1756728-4								
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: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/20/23 15:24

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: WG1756728-4								
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: Q1 2023 SSDS MONITORING
Project Number: 01304
Lab Number: L2312615
Report Date: 03/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/20/23 15:24

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: WG1756728-4								
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: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

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: WG1756728-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	101		-		70-130	-		
Acetone	101		-		40-160	-		
Trichlorofluoromethane	107		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	106		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q1 2023 SSDS MONITORING

Project Number: 01304

Lab Number: L2312615

Report Date: 03/21/23

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: WG1756728-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	116		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	124		-		70-130	-		
Cyclohexane	97		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	116		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	130		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

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: WG1756728-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	**144**	Q	-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

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(*)
L2312615-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q1 2023 SSDS MONITORING	**Lab Number:**	L2312615
Project Number:	01304	**Report Date:**	03/21/23

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:	Q1 2023 SSDS MONITORING	**Lab Number:**	L2312615
Project Number:	01304	**Report Date:**	03/21/23

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:	Q1 2023 SSDS MONITORING	**Lab Number:**	L2312615
Project Number:	01304	**Report Date:**	03/21/23

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

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 1 OF 1

Date Rec'd in Lab: 3/10/23

ALPHA Job #: L2312615

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

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: Q1 2023 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

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)
2615-01	AREA A - PRE (030823)	03/08/23	—	1520	—	—	SV	JK	5L	—	—	X					TEDLAR BAG
-02	AREA A - POST (030823	03/08/23	—	1520	—	—	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

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:
Calli Snyder AMC	03/09/23	[illegible] AMC	3/9/23 1115
[illegible]	3/9/23 1200	[illegible]	3/10/23 07:40
[illegible]	3/10/23 580	[illegible]	3/10/23 07:40
[illegible]	3/10/23 0640	[illegible]	3/10/23 06:10

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2300880
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2023 SMP GWSAMPLING
Project Number:	01304
Report Date:	01/13/23

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: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2300880-01	MW-3 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:20	01/06/23
L2300880-02	MW-11 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:44	01/06/23
L2300880-03	MW-11 (010523) DUPLICATE	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:44	01/06/23
L2300880-04	MW-12 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 10:38	01/06/23
L2300880-05	MW-13 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:09	01/06/23
L2300880-06	TRIP BLANK (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:10	01/06/23
L2300880-07	RINSATE BLANK (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:15	01/06/23

Project Name:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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: Cristin Walker

Title: Technical Director/Representative Date: 01/13/23

ORGANICS

VOLATILES

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-01
Client ID: MW-3 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:20
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 12:07
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	0.55	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.24	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.5	J	ug/l	2.5	0.70	1
Trichloroethene	220	E	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-01 Date Collected: 01/05/23 09:20

Client ID: MW-3 (010523) Date Received: 01/06/23

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	29		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	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-01 D
Client ID: MW-3 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:20
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/11/23 09:01
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	170		ug/l	2.0	0.70	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-02
Client ID: MW-11 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 12:28
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	0.16	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	9.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.25	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	31		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-02 Date Collected: 01/05/23 09:44

Client ID: MW-11 (010523) Date Received: 01/06/23

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	11		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	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-03
Client ID: MW-11 (010523) DUPLICATE
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 10:43
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	0.20	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	9.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.31	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	17		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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-03 Date Collected: 01/05/23 09:44

Client ID: MW-11 (010523) DUPLICATE Date Received: 01/06/23

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	12		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	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-04
Client ID: MW-12 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 10:38
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 13:09
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-04 Date Collected: 01/05/23 10:38

Client ID: MW-12 (010523) Date Received: 01/06/23

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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-05
Client ID: MW-13 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:09
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 11:04
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	6.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	35		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-05 Date Collected: 01/05/23 11:09

Client ID: MW-13 (010523) Date Received: 01/06/23

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	40		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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-06
Client ID: TRIP BLANK (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:10
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 07:37
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-06 Date Collected: 01/05/23 11:10

Client ID: TRIP BLANK (010523) Date Received: 01/06/23

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	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-07
Client ID: RINSATE BLANK (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:15
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/10/23 11:46
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

SAMPLE RESULTS

Lab ID: L2300880-07 Date Collected: 01/05/23 11:15

Client ID: RINSATE BLANK (010523) Date Received: 01/06/23

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	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/10/23 07:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/10/23 07:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/10/23 07:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/11/23 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/11/23 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					
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: CY2023 SMP GWSAMPLING **Lab Number:** L2300880

Project Number: 01304 **Report Date:** 01/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/11/23 08:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304
Lab Number: L2300880
Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
Methylene chloride	100		98		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	99		98		63-132	1		20
1,2-Dichloropropane	95		91		70-130	4		20
Dibromochloromethane	87		88		63-130	1		20
1,1,2-Trichloroethane	95		92		70-130	3		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	99		94		75-130	5		20
Trichlorofluoromethane	98		98		62-150	0		20
1,2-Dichloroethane	99		93		70-130	6		20
1,1,1-Trichloroethane	98		98		67-130	0		20
Bromodichloromethane	89		89		67-130	0		20
trans-1,3-Dichloropropene	80		78		70-130	3		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	89		94		67-130	5		20
Benzene	96		95		70-130	1		20
Toluene	98		93		70-130	5		20
Ethylbenzene	99		98		70-130	1		20
Chloromethane	88		81		64-130	8		20
Bromomethane	81		77		39-139	5		20
Vinyl chloride	96		89		55-140	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
Chloroethane	97		93		55-138	4		20
1,1-Dichloroethene	98		93		61-145	5		20
trans-1,2-Dichloroethene	94		96		70-130	2		20
Trichloroethene	98		92		70-130	6		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	91		89		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	95		96		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	89		83		36-147	7		20
Acetone	86		97		58-148	12		20
Carbon disulfide	94		90		51-130	4		20
2-Butanone	**60**	Q	73		63-138	20		20
4-Methyl-2-pentanone	84		89		59-130	6		20
2-Hexanone	82		86		57-130	5		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	78		87		41-144	11		20
Isopropylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	91		95		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
1,2,4-Trichlorobenzene	94		95		70-130	1		20
Methyl Acetate	89		89		70-130	0		20
Cyclohexane	94		91		70-130	3		20
1,4-Dioxane	84		96		56-162	13		20
Freon-113	100		99		70-130	1		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	101		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

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: WG1732435-3 WG1732435-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	95		93		70-130	2		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	98		97		63-132	1		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	90		92		63-130	2		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	91		89		62-150	2		20
1,2-Dichloroethane	95		97		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	87		89		70-130	2		20
Bromoform	82		87		54-136	6		20
1,1,2,2-Tetrachloroethane	87		93		67-130	7		20
Benzene	95		95		70-130	0		20
Toluene	97		97		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	98		97		64-130	1		20
Bromomethane	52		52		39-139	0		20
Vinyl chloride	88		87		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

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: WG1732435-3 WG1732435-4								
Chloroethane	93		92		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	93		90		70-130	3		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	86		90		63-130	5		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	97		96		58-148	1		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	94		100		63-138	6		20
4-Methyl-2-pentanone	75		82		59-130	9		20
2-Hexanone	86		98		57-130	13		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	71		80		41-144	12		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	77		87		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304
Lab Number: L2300880
Report Date: 01/13/23

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: WG1732435-3 WG1732435-4								
1,2,4-Trichlorobenzene	88		94		70-130	7		20
Methyl Acetate	90		94		70-130	4		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	112		114		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	98		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304
Lab Number: L2300880
Report Date: 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	12	120		11	110		70-130	9		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	8.7	87		9.0	90		63-130	3		20
1,1,2-Trichloroethane	ND	10	9.7	97		10	100		70-130	3		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	9.8	98		9.6	96		67-130	2		20
trans-1,3-Dichloropropene	ND	10	7.8	78		8.0	80		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.7	87		8.9	89		70-130	2		20
Bromoform	ND	10	8.2	82		8.3	83		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.6	96		67-130	4		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	9.5	95		9.7	97		64-130	2		20
Bromomethane	ND	10	6.5	65		6.7	67		39-139	3		20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304
Lab Number: L2300880
Report Date: 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	ND	10	11	110		10	100		70-130	10		20
1,3-Dichlorobenzene	ND	10	11	110		10	100		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.0	90		9.0	90		63-130	0		20
p/m-Xylene	ND	20	22	110		22	110		70-130	0		20
o-Xylene	ND	20	22	110		22	110		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	22	110		22	110		70-130	0		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	9.6	96		10	100		58-148	4		20
Carbon disulfide	ND	10	12	120		11	110		51-130	9		20
2-Butanone	ND	10	7.0	70		8.3	83		63-138	17		20
4-Methyl-2-pentanone	ND	10	8.1	81		8.4	84		59-130	4		20
2-Hexanone	ND	10	8.0	80		7.7	77		57-130	4		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromoethane	ND	10	9.4	94		9.9	99		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84		8.1	81		41-144	4		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		9.8	98		70-130	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304
Lab Number: L2300880
Report Date: 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl Acetate	ND	10	8.3	83		8.8	88		70-130	6		20
Cyclohexane	ND	10	11	110		10	100		70-130	10		20
1,4-Dioxane	ND	500	480	96		450	90		56-162	6		20
Freon-113	ND	10	12	120		11	110		70-130	9		20
Methyl cyclohexane	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	101		103		70-130
Toluene-d8	95		98		70-130

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

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(*)
L2300880-01A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-01B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-01C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-06A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2300880-06B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)

Container Comments

L2300880-04A2	received empty

*Values in parentheses indicate holding time in days

Project Name:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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:	CY2023 SMP GWSAMPLING	**Lab Number:**	L2300880
Project Number:	01304	**Report Date:**	01/13/23

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.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
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: 1/7/23

ALPHA Job #: L2300880

Client Information

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

Project Information

Project Name: CY2023 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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # 01304

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 01/05/2023
PLEASE ALSO EMAIL RESULTS TO MSZUSTAK

Please specify Metals or TAL.

ANALYSIS

VOC's 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	VOC's 8260 TCL	Sample Specific Comments	Total Bottle
00880-01	MW-3(010523)	1/5/23	09:20	GW	JK	X		3
02	MW-11(010523)	1/5/23	09:44	GW	JK	X		3
03	MW-11(010523) DUPLICATE	1/5/23	09:44	GW	JK	X		3
04	MW-12(010523)	1/5/23	10:38	GW	JK	X		3
04	MW-12(010523) MS	1/5/23	10:38	GW	JK	X		3
04	MW-12(010523) MSD	1/5/23	10:38	GW	JK	X		3
05	MW-13(010523)	1/5/23	11:09	GW	JK	X		3
06	TRIP BLANK(010523)	1/5/23	11:10	WA	JK	X		2
07	RINSATE BLANK(010523)	1/5/23	11:15	WA	JK	X		3

Container Type: V
Preservative: B

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

Relinquished By:	Date/Time	Received By:	Date/Time
	01/06/2023 13:00	Q Reyat RAC	1/6/23 1300
Q Reyat RAC	1/6 15:00		1/7/23 0000

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)

ATTACHMENT E

Spent Carbon Documents

Environmental Advantage

ACTIVATED CARBON & RELATED SERVICE

CARBON ACTIVATED CORP.

3774 Hoover Road
Blasdell,, NY 14219
Phone: (716) 677-6661
Fax: (716) 677-6663
E-mail: callen@activatedcarbon.com
Website: www.carbonactivatedcorp.com

Spent Carbon Profile Form

Date: 10/23/2020

Generator Information:

1) Generator: MOD-PAC CORP Mailing Address: 1801 Elmwood Avenue, Buffalo, NY 14207 Contact: Tony Barberic, Maintenance Manager

Phone No: (716) 873-0640

Site Information:

2) Site Name: MOD-PAC Corp Address: 1801 Elmwood Avenue, Buffalo, NY 14207 EPA ID No.: _____

Phone No.: (716) 873-0640 Fax No.: _____

Consultant Information:

3) Consultant Firm: Environmental Advantage, Inc. Contact: Mark Hanna

Phone No.: (716) 667-3130 Fax No.: (716) 667-3156

4)

a) Is the media NSF standardized Yes ☐ No ☒

b) Original Manufacturer / Regenerator- ENCOTECH Carbon Services out of PA.

c) Provide a specific description of the process that generated the spent carbon including Constituents being treated also note if it was use for potable water or food processing Applications.

The Spent Carbon was generated through the treatment of soil vapors extracted from underneath the MODPAC Corp. building slab. Chlorinated Solvents were identified underneath the building slab during Brownfield Remedial work. As part of the BCP site remediation, a sub-slab depressurization system was installed as an engineering control. TCLP analysis was completed on the spent carbon. Alpha Analytical Laboratory Report has been provided.

5) a) Type of Carbon: ☒ Coal ☐ Coconut ☐ Other_____

b) Mesh Size. unknown

6 a) Type of Carbon ☐ Wet ☒ Vapor ☐ Impregnated

b) Percent of free Liquids Range: ☒ 0% ☐ 1-15% ☐ other: _____

7) Liquid Flash Point: ☐<140 F ☐ > 140F ☒ N/A

8) Foreign Material: ☐ Yes ☒ No (Rocks, dirt, sand, etc….)

9) pH Range: ☐ < 2 ☐ 2-4 ☒ 4-10 ☐ > 10

10) Is Spent Carbon Generated at a Subpart FF Facility? (Benzene NESHAP) ☐ Yes ☒ No
(If yes a Total Benzene Analysis is required)

11) Does Carbon have a Strong Odor? ☐ Yes ☒ No Describe Type: _____

_____

12) Does the spent Carbon contain any of the following?

- Polychlorinated Biphenyls (PCB's) ☐ Yes ☒ No
- Dioxins and or Furans ☐ Yes ☒ No
- Dibromochloropropane (DBCP) ☐ Yes ☒ No
- Sulfide or Cyanide ☐ Yes ☒ No
- Explosive Pyrophoric/Radioactive Material ☐ Yes ☒ No
- Infectious Material ☐ Yes ☒ No
- Shock Sensitive Material ☐ Yes ☒ No
- Oxidizer ☐ Yes ☒ No
- Heavy Metals ☐ Yes ☒ No

Generator Classification of Spent Carbon:

13) Is Spent Carbon a RCRA Hazardous Waste? ☐ Yes ☒ No
RCRA Hazardous Waste requires 11 RCRA Analysis
(If you answered then list waste code(s) below:

_____ _____ _____ _____

_____ _____ _____ _____

14) Is spent Carbon a State Hazardous Waste? ☐ Yes ☒ No
(If you answered then list waste code(s) below:

_____ _____ _____ _____

_____ _____ _____ _____

15) Is Waste subject to Land Disposal Restriction? ☐ Yes ☒ No

16) If this is a renewal please provide existing profile approval number: ___N/A_____

17) Estimated Annual Carbon Usage for this Site: ____1,000 lbs____

Generator Certification:

I hereby certify that all information on this form, and attached documents are true. Also that this information accurately describes the subject spent carbon. I further certify that all samples analyses submitted are a representative of the subject spent carbon in accordance with the procedures established in 40 CFR 261 Appendix I or by using an equivalent method. All relevant information regarding either known or suspected hazards in the possession of the generator has been disclosed. I authorize Carbon Activated Corporation to obtain a sample from any waste shipment for the purpose of confirming or for further investigation. If I am an consultant signing on the behalf of the generator, I have their full approval to do so.

Mary M. Szustak on behalf of MOD-PAC CORP. — Printed Name

Mary M Szustak — Signature

Sr. Project Scientist/Site Services Team Lead — Title

10/23/2020 — Date

Submit the profile form and analytical reports via Fax or Mail to the below address or fax. If mailed copy this form and analytical information for your records.

CARBON ACTIVATED CORPORATION
3774 Hoover Road, Blasdell NY 14210

Tel. 716 821 7830 Fax 716 821 0790 email : callen@activatedcarbon.com

---

For Internal Use Only

_____ Profile Approval Number:

_____ Valid Through:

_____

Approved By: Christopher Allen

ANALYTICAL REPORT

Lab Number:	L2269433
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC SPENT CARBON WASTE CHAR
Project Number:	01304
Report Date:	12/22/22

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: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2269433-01	WC-001	SOLID	1801 ELMWOOD AVE	12/09/22 13:22	12/09/22

Project Name:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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.

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: Tiffani Morrissey - Tiffani Morrissey

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

ORGANICS

VOLATILES

Project Name: MPC SPENT CARBON WASTE CHAR **Lab Number:** L2269433

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

SAMPLE RESULTS

Lab ID: L2269433-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 12/09/22 13:22
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8260D
Analytical Date: 12/21/22 20:36
Analyst: MCM

TCLP/SPLP Ext. Date: 12/20/22 11:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	8.4		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	17		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	109		70-130

Project Name: MPC SPENT CARBON WASTE CHAR **Lab Number:** L2269433

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/21/22 15:42
Analyst: MCM
TCLP/SPLP Extraction Date: 12/20/22 11:12

Extraction Date: 12/20/22 11:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1726456-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304
Lab Number: L2269433
Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1726456-3 WG1726456-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	95		96		70-130	1		20
Benzene	110		110		70-130	0		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
2-Butanone	84		90		63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		97		70-130
dibromofluoromethane	99		101		70-130

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2269433-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		TCLP-EXT-ZHE(14)
L2269433-01X	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Y	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Z	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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. 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:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	MPC SPENT CARBON WASTE CHAR	**Lab Number:**	L2269433
Project Number:	01304	**Report Date:**	12/22/22

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

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
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: 12/10/22

ALPHA Job #: L2269433

Client Information

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

Project Information

Project Name: MPC SPENT CARBON WASTE CHARACTERIZATION
Project Location: 1801 ELMWOOD AVE
Project # 01304
(Use Project name as Project #) ☐
Project Manager:
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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

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:

EMAIL RESULTS TO: mszustak@envadvantage.com
jkryszak@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

TCLP VOC

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP VOC	Sample Specific Comments	Total Bottle
2269433-01	WC-001	12/9/22	13:22	SOLID	SK	X		1

Container Type: A
Preservative: A

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

Relinquished By:	Date/Time	Received By:	Date/Time
	12/09/22 14:14		12/09/22 @ 14:14
SJ/TAL	12/09/22 14:14		12/10/22 0030

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)

DIRT WORKS INC.

11518 Jamison Road
East Aurora, NY 14052
716-863-1744
email: dirtworks27@yahoo.com
www.dirtworkswny.com

Invoice # 637

JOB # _____

CUSTOMER Environmental Advantage | DATE 1-26-23

LOAD LOCATION | DUMP LOCATION

TRUCK # & DRIVER Stake Lucas

☐ DUMP TRUCK SERVICE

☐ DUMP TRAILER SERVICE

☒ OTHER Stake Truck

MATERIAL HAULED 3 Drums

JOB START [redacted] 9:00

JOB FINISH 10:45

TRAVEL TIME 1hr

☐ LUNCH ☒ NO LUNCH

TOTAL _____

LD #	TICKET #	WEIGHT	WAIT TIME ON JOB IN – OUT	REMARKS SPECIFY: ON "HOLD" @ PLANT, TOLLS, DUMP LOCATIONS, ETC.
1			–	3 Drums
2			–	
3			–	
4			–	
5			–	
6			–	
7			–	
8			–	
9			–	
10			–	
11			–	
12			–	
13			–	
14			–	
15			–	

OUR RESPONSIBILITY ENDS AT THE CURB

CUSTOMER'S SIGNATURE: _____

OFFICE - White & Yellow • CUSTOMER - Pink

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	716-667-3230	01304

GENERATOR

5. Generator's Name and Mailing Address
MOD-PAC CORP / BCP # C915314
1801 Elmwood Avenue
Buffalo, NY 14207
Generator's Phone: 716-873-0640

Generator's Site Address (if different than mailing address)
Same

6. Transporter 1 Company Name
Dirt Works, Inc.
U.S. EPA ID Number: NYA-9866

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Carbon Activated Corporation
3774 Hoover Rd
Blasdell, NY 14219
Facility's Phone: 716-667-6666
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT, NON Regulated (Non-Hazardous Spent GAC for Recycle)	3	DM	EST. 1,350	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Approval # SPA-PV-20-015
Re-Determined B.U.D. under 6NYCRR 360.12(c)(4)(i)

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Mary Szustak on behalf of MOD-PAC CORP
Signature: Mary M Szustak
Month: 1 Day: 26 Year: 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Lucas Groh
Signature:
Month: 1 Day: 26 Year: 23

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

TRANSPORTER #2