Environmental Advantage

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

October 1, 2024

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 (2nd Quarter 2024)**
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 April 1 through June 30, 2024. 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 quarterly groundwater sampling of the Site's four groundwater monitoring wells subject to the remedial program was warranted to investigate seasonal variation in contaminant concentrations and 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], VMP-8A, and VMP-5B which are considered inactive). In April 2024, VMP-8A was replaced with VMP-8AR, and VMP-5B was replaced with VMP-5BR due to VMP-8A and VMP-5B frequently failing to achieve the minimum negative pressure of at least 0.002 inches WC. 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. Non-routine maintenance, including carbon change outs, is completed as necessary based on analytical data of pre- and post-carbon samples.

SSD System layout for each area is shown on Figure 2A for Area A, Figure 2B for Area B, and Figure 2C for Area C, presented in Attachment A. Area-specific findings during Q2 2024 monitoring event are summarized in Table 1 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 Q2 2024, 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-6A (dead point) and VMP-8A in April, May, and June. VMP-8AR, located approximately +/- 5’ to the east of VMP-8A, achieved a minimum negative pressure of at least 0.002 inches WC in April immediately after installation, and May and June.

Post-carbon analytical data exhibited lower concentrations of all target chlorinated compounds when compared to pre-carbon concentrations, with the exception of cis-1,2-dichloroethene and tetrachloroethene with an overall target chlorinated VOC (cVOC)[3] reduction of 84.5 percent. Air sample results for Q2 2024 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 Q2 2024, manometer readings for all active VMPs achieved the minimum 0.002 inches WC in the sub-slab with the exception of VMP-1B in April and VMP-5B in April, May, and June. VMP-5BR, located approximately +/- 8’ to the east of VMP-5B, achieved a minimum negative pressure of at least 0.002 inches WC in April immediately after installation, and May and June.

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

SSD Area C – Maintenance Area

During Q2 2024, manometer readings for all active VMPs achieved the minimum 0.002 inches WC in the sub-slab.

Groundwater Monitoring

During the current monitoring period, water table measurements were collected in April. All 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) were gauged. Groundwater samples were collected on April 9, 2024 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 of 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, the well details on MW–14 and MW-15 are not included in the Site's remedial documents.

Corrective Measures

As recommended in the 2022-2023 PRR Report[4] and approved by the Department in the August 23, 2023 PRR Response Letter[5] VMP-8A and VMP-5B were redrilled on April 10, 2024 in effort to remove potential fines that could be blocking these monitoring points. After clearing the fines, VMP-8A and VMP-5B remained at +0.000 in WC; therefore, three temporary VMPs were installed in the vicinity of VMP-8A and five temporary VMPs were installed in the vicinity of VMP-5B, to test for vacuum underneath the slab. Except for the temporary VMP located directly in front of the dock leveler in Area B, all temporary VMPs in Area A and Area B met the minimum negative pressure of at least 0.002 in WC in the sub-slab. The temporary VMP located approximately five feet from VMP-8A and eight feet from VMP-5B were completed as permanent points, VMP-8AR and VMP-5BR, respectively. The remaining temporary VMPs were decommissioned by plugging with non-shrinking grout. It appears clear that the previous vacuum issues at VMP-5B can be attributed to the dock leveler. VMP-8AR is located the same distance from the exterior wall as the original VMP-8A. There is no visible difference in the slab or site features between VMP-8A and VMP-8AR. The cause of the previous vacuum failures at VMP-8A are undetermined, and likely due to differences in the sub-surface material.

During the April annual well sampling event it was discovered that the road box for MW-3 had been damaged during snowplowing activities over winter 2023-2024. The road box was replaced and set in new concrete on April 10, 2024. During the annual engineering certification completed in April 2024, it was discovered that the newly

[4] "Periodic Review Report – April 2022 – 2023 Revised; DEC Site #C915314, MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York" prepared by Environmental Advantage, Inc., dated August 17, 2023.
[5] "Site Management (SM) – Periodic Review Report (PRR) Response Letter, MOD-PAC CORP., Buffalo, Erie County, Site No.: C915314" by Megan Kuczka, Environmental Program Specialist-1, New York State Department of Environmental Conservation, dated August 23, 2023.

installed blower in Area C did not have a vacuum gauge installed, subsequentially a vacuum gauge was installed on the blower on June 13, 2024.

Conclusions and Scheduling

During the Q2 2024 monitoring period, all active manometers met the minimum 0.002 inches WC in the sub-slab with the exception of VMP-6A (dead point) and VMP-8A, and VMP-5B in April, May, and June; and VMP-1B in April. Replacement VMP's VMP-8AR and VMP-5BR were installed in the vicinity of VMP-8A and VMP-5B, respectively, due to periodic failure to obtain the minimum negative pressure of at least 0.002 inches WC. Compliant vacuum readings were obtained at both replacement VMP's during April, May, and June. The road box for MW-3 had been damaged during snowplowing activities over winter 2023-2024, and was replaced. A vacuum gauge was installed on the new blower in Area C on June, 13, 2024. There are no additional corrective actions to report for the Q2 2024 monitoring period. The SSD systems in Area A, Area B, and Area C appear to be functioning properly.

Post-carbon analytical data collected during Q2 2024 exhibited lower concentrations of all target chlorinated compounds, with the exception of cis-1,2-dichloroethene and tetrachloroethene. Most non-chlorinated compounds yielded higher quantities in post-carbon compared to pre-carbon; however, overall target chlorinated VOC (cVOC) was 84.5 percent. Carbon replacement is warranted and will be completed July 18, 2024. Assessment of the results of the carbon replacement will be documented in the Q3 SSDS Report. Continued system inspections, monitoring, and sampling will be completed for the third quarter of 2024.

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

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

C. Mark Hanna, CHMM
President

ATTACHMENT A

Figures

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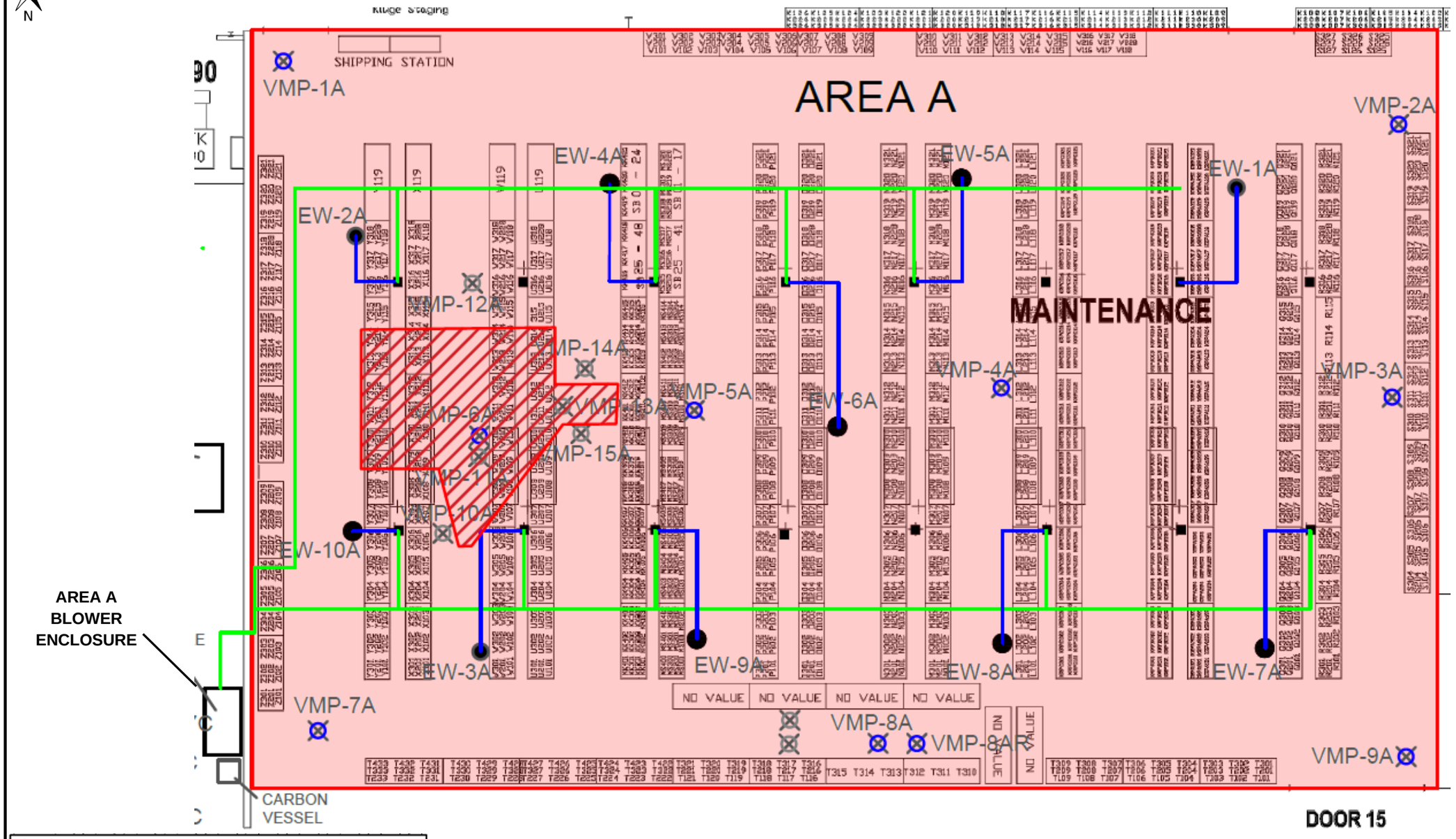
ENVIRONMENTAL ADVANTAGE, INC.		
Regulatory Compliance – Site Investigations – Facility Inspections		
BCP SITE PLAN **MOD-PAC, CORP.** 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 06/2023	FIGURE NO: 1

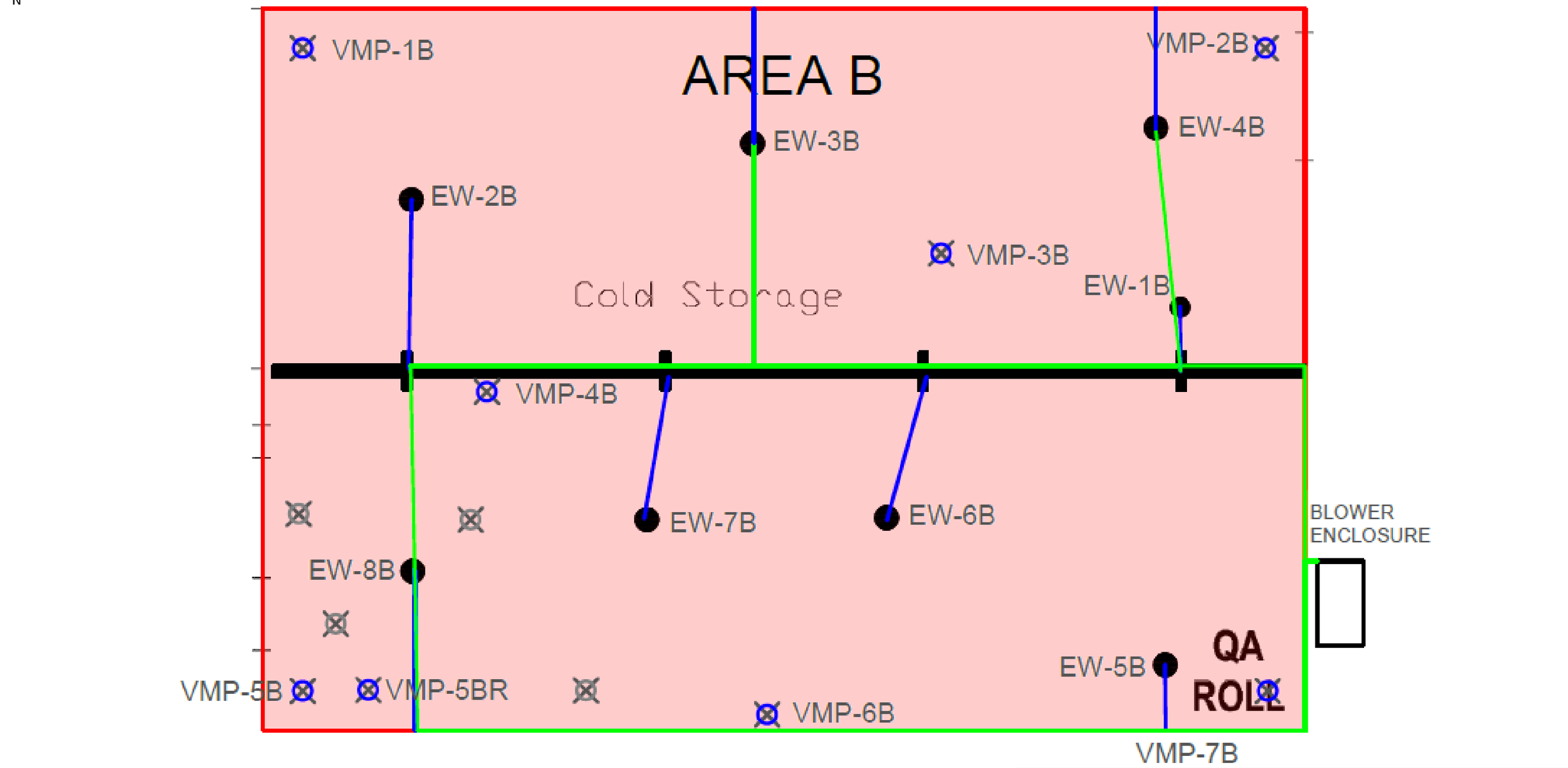
Figure adapted from Figure 3 within the Site Management Plan for MOD-PAC BCP Site No. C915314

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)



ENVIRONMENTAL ADVANTAGE, INC. *Regulatory Compliance – Site Investigations – Facility Inspections*		
SSDS AREA A 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 2A

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)



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

SSDS AREA B
1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 2B

THIS FIGURE WAS ADAPTED FROM SUB-SLAB DEPRESSURIZATION SYSTEMS 2024 PERIODIC REVIEW REPORT PREPARED BY MATRIX FOR MOD-PAC CORPORATION (AUGUST 2024)

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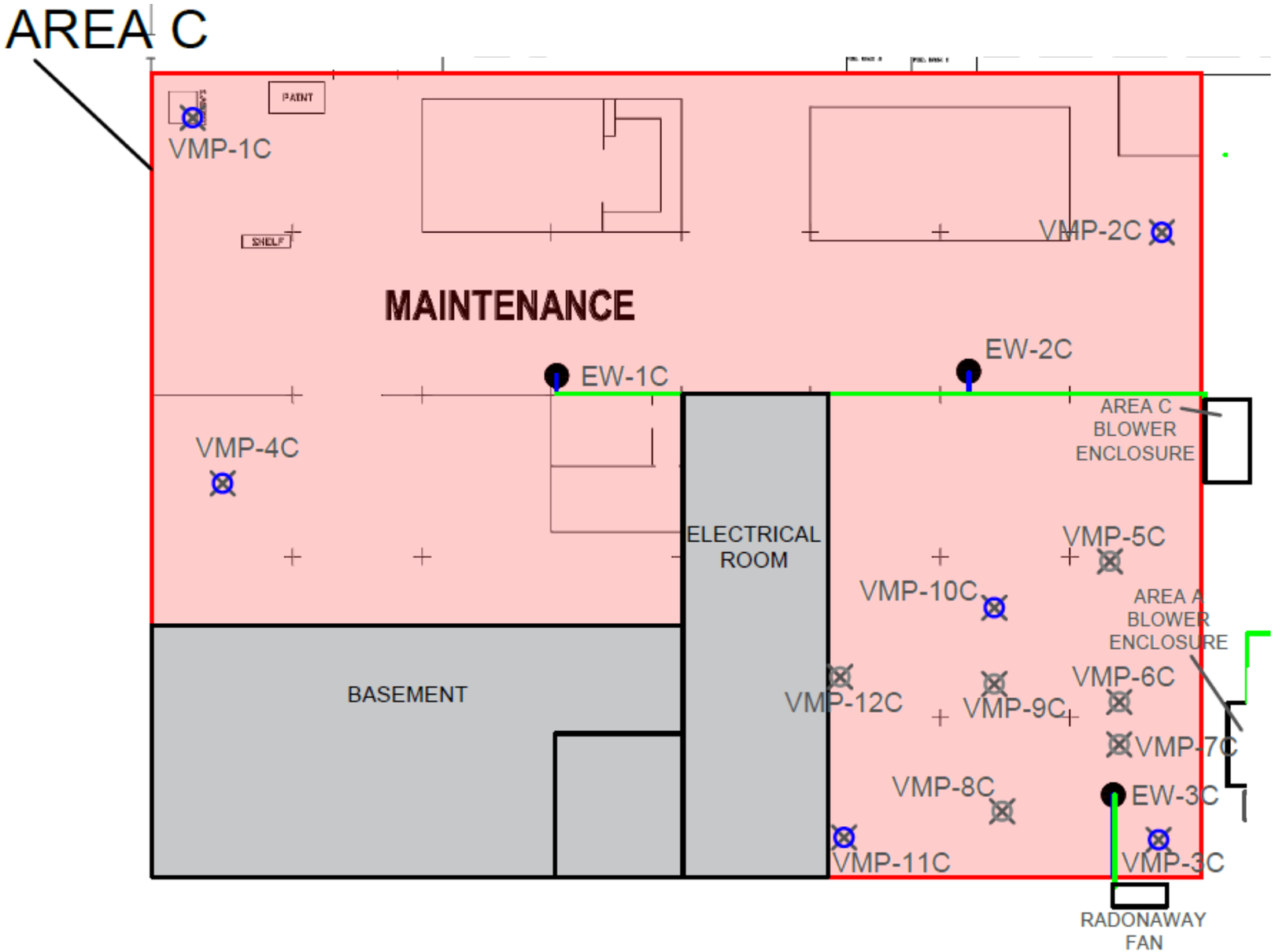

- Vapor Monitoring Point (permanent)
- Vapor Monitoring Point (temporary/decommissioned)
- Vapor Extraction Well
- Piping below grade
- Piping above grade
- Area of Zero Vacuum Influence

ENVIRONMENTAL ADVANTAGE, INC. *Phase I/II Audits – Site Investigations – Facility Inspections*		
SSDS AREA C 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: KL	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: MS	DATE: 08/2024	FIGURE NO: 2C

ATTACHMENT B

Tables

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Table 1
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
June Q2 2024 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			
6/13/2024	17.0	17.0	18.0	17.0	17.0	0.0	18.0	19.0	17.0	18.0	21	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-8AR	VMP-9A
6/13/2024	-0.075	-0.066	Covered	-0.126	-0.061	+0.000	-0.034	+0.000	-0.012	-0.096

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		
6/13/2024	37.0	38.0	38.0	39.0	38.0	39.0	38.0	37.0	21.0	0.0

Date	Vapor Monitoring Points (in WC)							
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B
6/13/2024	-0.018	-0.047	-0.293	-0.376	+ 0.000	-0.026	-0.020	-0.290

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
6/13/2024	42.0	45.0	29.0	1.5	0.8	0.0

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
6/13/2024	-0.035	-0.081	-0.021	-0.066	-0.102	-0.042

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

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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	14.0	14.5	14.0	14.0	1.0	14.0	14.5	14.5	15.0	14	2.7	1.1
10/15/2020												7.8	4.6
11/4/2020												0.0	0.0
12/8/2020	12.5	13.0	13.5	13.0	13.0	1.0	13.0	14.0	13.0	14.0	12	0.6	0.0
1/4/2021												0.4	0.0
2/18/2021												1.0	0.0
3/30/2021	13.0	14.0	14.0	14.0	14.0	0.0	14.0	14.0	14.0	15.0	12	0.0	0.0
4/14/2021												0.4	0.0
5/20/2021												0.4	0.0
6/11/2021	16.0	16.0	16.0	16.0	16.0	0.0	16.0	17.0	17.0	17.0	15	0.1	0.0
7/1/2021											16	0.0	0.0
8/25/2021											18	0.0	0.0
9/8/2021	17.0	17.0	18.0	18.0	17.0	0.0	18.0	18.0	18.0	18.0	16	0.3	0.0
10/20/2021												0.0	0.0
11/19/2021												0.0	0.0
12/10/2021	16.0	16.0	17.0	16.0	17.0	0.0	17.0	17.0	17.0	17.0	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	17.0	16.5	16.5	1.0	16.5	17.0	17.0	17.0	12	0.0	0.0
4/21/2022											19	0.0	0.0
5/16/2022											18	0.0	0.0
6/6/2022	16.0	17.0	17.0	16.0	17.0	0.0	17.0	17.0	17.0	17.0	19	0.0	0.0
7/28/2022											19	1.4	0.0
8/26/2022											19	0.5	0.0
9/22/2022	18.0	18.0	19.0	18.0	18.0	0.0	18.0	19.0	19.0	19.0	18	1.2	0.1
10/13/2022	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	19.0	19	0.2	0.0
11/7/2022	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	18.0	19	0.0	0.0
12/9/2022	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	18.0	19	0.0	0.0
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
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
3/10/2023	18.0	18.0	18.0	18.0	18.0	0.0	18.0	18.0	18.0	18.0	19	0.0	0.0
4/6/2023											20	0.0	0.0
5/17/2023											20	0.0	0.0
6/20/2023	17.0	18.0	19.0	18.0	18.0	0.0	18.0	19.0	18.0	19.0	20	0.3	0.1
7/5/2023											20	0.0	0.0
8/17/2023											21	0.0	0.0
9/13/2023	19.0	20.0	20.0	20.0	19.0	0.0	20.0	20.0	20.0	20.0	20	0.0	0.0
10/3/2023											22	0.2	0.3
11/11/2023											20	0.1	0.0
12/12/2023	17.0	18.0	19.0	18.0	19.0	0.0	18.0	20.0	17.0	19.0	20	0.1	0.0
1/12/2024											21	1.4	0.0
2/8/2024											21	1.1	0.0
3/12/2024	17.0	18.0	19.0	18.0	18.0	0.0	18.0	20.0	19.0	19.0	21	0.3	0.0
4/9/2024											22	0.6	0.0
4/15/2024	18.0	19.0	20.0	19.0	18.0	0.2	19.0	20.0	19.0	20.0	23	0.1	0.0
5/8/2024											21	0.1	0.0
6/13/2024	17.0	17.0	18.0	17.0	17.0	0.0	18.0	19.0	17.0	18.0	21	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-8AR	VMP-9A
9/26/2019	- 0.066	- 0.044	- 0.075	- 0.161	- 0.128	+ 0.000	- 0.025	- 0.021	N/A	- 0.173
10/3/2019	- 0.065	- 0.037	- 0.053	- 0.139	- 0.116	+ 0.000	- 0.019	- 0.017	N/A	- 0.105
10/9/2019	- 0.061	- 0.034	- 0.045	- 0.110	- 0.103	+ 0.000	- 0.020	- 0.015	N/A	- 0.100
11/5/2019	- 0.041	- 0.029	- 0.023	- 0.067	- 0.062	+ 0.010	- 0.013	+ 0.000	N/A	- 0.067
12/3/2019	- 0.045	- 0.025	- 0.031	- 0.066	- 0.056	+ 0.020	- 0.010	+ 0.000	N/A	- 0.054
2/11/2020	- 0.037	- 0.020	- 0.015	- 0.045	- 0.036	+ 0.015	+ 0.000	+ 0.000	N/A	- 0.037
3/27/2020	- 0.025	- 0.023	- 0.016	- 0.032	- 0.032	+ 0.010	+ 0.000	+ 0.000	N/A	- 0.022
6/29/2020	- 0.053	- 0.064	- 0.063	- 0.124	- 0.080	NG	- 0.010	- 0.017	N/A	- 0.094
9/15/2020	- 0.053	- 0.052	- 0.043	- 0.093	- 0.033	NG	- 0.017	- 0.014	N/A	- 0.058
12/8/2020	-0.048	-0.033	-0.026	-0.152	-0.05	NG	+0.000	+0.000	N/A	-0.065
3/30/2021	-0.038	-0.052	-0.032	-0.063	-0.022	NG	-0.020	-0.014	N/A	-0.047
6/11/2021	-0.073	-0.065	-0.055	-0.105	-0.074	NG	-0.026	-0.022	N/A	-0.074
9/8/2021	-0.091	-0.088	-0.075	-0.140	-0.086	NG	-0.028	-0.190	N/A	-0.149
12/10/2021	-0.065	-0.056	-0.043	-0.068	-0.052	NG	-0.017	-0.005	N/A	-0.068
3/10/2022	-0.045	-0.04	-0.045	-0.080	-0.04	+0.013	-0.010	+0.000	N/A	-0.097
3/31/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	N/A	NG
4/21/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	N/A	NG
5/16/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	N/A	NG
6/6/2022	-0.068	-0.060	-0.068	-0.097	-0.056	+0.000	-0.027	+0.000	N/A	-0.110
7/28/2022	NG	NG	NG	NG	NG	NG	NG	-0.018	N/A	NG
9/22/2022	-0.100	-0.098	-0.105	-0.157	-0.082	+0.000	-0.032	-0.016	N/A	-0.149
10/13/2022	-0.069	-0.063	-0.071	-0.126	-0.071	+0.000	-0.025	-0.018	N/A	-0.122
11/7/2022	-0.077	-0.063	-0.084	-0.122	-0.059	+0.000	-0.021	+0.000	N/A	-0.115
12/9/2022	-0.074	-0.043	-0.046	-0.089	-0.048	+0.000	-0.022	+0.000	N/A	-0.110
1/31/2023	-0.059	-0.040	-0.042	-0.067	-0.039	+0.000	-0.014	+0.000	N/A	-0.078
2/21/2023	-0.059	-0.048	-0.061	-0.083	-0.040	+0.000	-0.019	-0.007	N/A	-0.100
3/10/2023	-0.052	-0.032	-0.054	-0.067	-0.032	+0.000	+0.000	+0.000	N/A	-0.039
4/12/2023	NG	NG	NG	NG	NG	NG	-0.025	0.000	N/A	NG
5/17/2023	NG	NG	NG	NG	NG	NG	-0.032	0.000	N/A	NG
6/20/2023	-0.083	-0.066	-0.085	-0.118	-0.066	+ 0.000	-0.024	-0.013	N/A	-0.133
7/5/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
8/17/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
9/13/2023	-0.097	-0.079	-0.102	-0.14	-0.083	+ 0.000	-0.037	-0.013	N/A	-0.140
10/3/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
11/11/2023	NG	NG	NG	NG	NG	+ 0.000	NG	NG	N/A	NG
12/12/2023	-0.066	-0.140	-0.203	-0.271	-0.141	+ 0.000	-0.019	+ 0.000	N/A	-0.219
1/12/2024	NG	NG	NG	NG	NG	+ 0.000	NG	+ 0.000	N/A	NG
2/8/2024	NG	NG	NG	NG	NG	+ 0.000	NG	-0.017	N/A	NG
3/12/2024	-0.065	-0.045	-0.057	-0.080	-0.039	+ 0.000	-0.023	+ 0.000	N/A	-0.084
4/9/2024	NG	NG	NG	NG	NG	+ 0.000	-0.030	+ 0.000	N/A	NG
4/15/2024	-0.077	-0.149	-0.175	-0.092	-0.045	+0.000	-0.027	+0.000	-0.014	-0.274
5/8/2024	NG	NG	NG	NG	NG	+ 0.000	NG	+ 0.000	-0.016	NG
6/13/2024	-0.075	-0.066	Covered	-0.126	-0.061	+0.000	-0.034	+0.000	-0.012	-0.096

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

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	13.0	13.5	13.5	14.5	13.5	14.0	13.0	12.0	10.5	1.3
10/3/2019	13.0	13.5	13.5	14.0	13.5	14.0	13.0	12.0	10	1.4
10/9/2019	12.5	13.0	13.0	13.5	13.0	13.5	12.0	12.0	10	0.0
11/5/2019	12.0	13.0	12.5	13.0	12.5	13.0	11.5	11.0	9	0.5
12/3/2019	11.0	11.0	11.0	11.5	11.0	11.5	10.5	10.0	8	0.1
1/22/2020										0.0
2/11/2020	12.5	13.0	13.0	13.5	13.0	13.5	12.0	11.5	9	0.0
3/27/2020	14.0	15.0	14.0	15.0	15.0	15.0	14.0	13.5	10	0.0
6/29/2020	16.0	12.0	17.0	12.5	17.0	17.0	16.0	15.5	16	0.0
7/31/2020										0.0
8/28/2020										0.0
9/15/2020	17.0	18.0	17.0	18.0	18.0	18.0	17.0	16.5	16	2.7
10/15/2020										0.3
11/4/2020										0.0
12/8/2020	16.5	17.0	17.0	17.0	17.0	17.0	16.5	16.0	13	0.4
1/4/2021										0.0
2/18/2021										0.0
3/30/2021	16.0	17.0	17.0	17.0	17.0	17.0	16.0	16.0	12	0.0
4/14/2021										0.0
5/20/2021										0.1
6/11/2021	18.0	18.0	19.0	20.0	19.0	19.0	18.0	18.0	18	0.0
7/1/2021									18	0.0
8/25/2021									20	0.0
9/8/2021	20.0	21.0	22.0	23.0	22.0	22.0	21.0	21.0	19	0.0
10/20/2021										0.0
11/19/2021										0.0
12/10/2021	20.0	20.0	21.0	21.0	21.0	21.0	20.0	20.0	16	0.0
1/11/2022									19	0.0
2/2/2022										0.0
3/10/2022	22.0	23.0	23.0	23.5	22.5	23.0	22.5	22.0	20	0.0
4/21/2022									19	0.0
5/16/2022									19	0.0
6/6/2022	26.0	27.0	27.0	28.0	27.0	27.0	27.0	26.0	19	0.0
7/28/2022									25	0.5
8/26/2022									23	0.0
9/22/2022	28.0	29.0	30.0	30.0	29.0	30.0	29.0	28.0	26	2.6
10/13/2022	31.0	32.0	33.0	33.0	32.0	34.0	32.0	32.0	20	0.8
11/7/2022	31.0	32.0	33.0	33.0	33.0	34.0	32.0	32.0	18	0.0
12/8/2022	32.0	33.0	34.0	34.0	33.0	34.0	33.0	32.0	19	0.0
1/31/2023	31.0	32.0	33.0	33.0	32.0	33.0	32.0	32.0	19	0.0
2/21/2023	30.0	31.0	32.0	32.0	31.0	32.0	31.0	30.0	26	0.0
3/10/2023	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	19	0.0
4/6/2023									24	0.0
5/17/2023									29	0.0
6/20/2023	31.0	32.0	32.0	33.0	32.0	33.0	32.0	32.0	30	0.0
7/5/2023									44	0.0
8/17/2023									40	0.0
9/13/2023	37.0	33.0	38.0	36.0	37.0	39.0	37.0	38.0	34	0.0
10/3/2023									34	0.7
11/11/2023									28	0.0
12/12/2023	36.0	37.0	37.0	38.0	37.0	39.0	37.0	37.0	31	0.0
1/12/2024									44	0.2
02/08/204									45	0.1
3/12/2024	36.0	37.0	37.0	38.0	37.0	39.0	37.0	32.0	31	0.0
4/9/2024	36.0	39.0	37.0	38.0	38.0	39.0		38.0	32	0.0
4/15/2024	36.0	37.0	38.0	38.0	37.0	38.0	37.0	37.0	N/A	0.0
5/8/2024									36	0.1
6/13/2024	37.0	38.0	38.0	39.0	38.0	39.0	38.0	37.0	21	0.0

Date	Vapor Monitoring Points (in WC)							
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B
9/26/2019	N/A	- 0.065	- 0.419	N/A	- 0.044	N/A	- 0.016	- 0.200
10/3/2019	- 0.023	- 0.062	- 0.303	- 0.383	- 0.037	N/A	- 0.018	- 0.196
10/9/2019	- 0.018	- 0.055	- 0.258	- 0.329	- 0.030	N/A	- 0.010	- 0.178
11/5/2019	- 0.016	- 0.018	- 0.217	- 0.271	- 0.014	N/A	+ 0.000	- 0.171
12/3/2019	- 0.014	- 0.032	- 0.114	- 0.156	+ 0.000	N/A	+ 0.000	- 0.136
2/11/2020	+ 0.000	- 0.040	N/A	- 0.161	N/A	N/A	+ 0.000	- 0.072
3/27/2020	+ 0.000	- 0.040	- 0.163	- 0.171	+ 0.000	N/A	- 0.010	- 0.152
6/29/2020	- 0.018	- 0.064	- 0.354	- 0.343	- 0.026	N/A	- 0.022	- 0.0198
9/15/2020	- 0.017	- 0.041	- 0.118	- 0.361	- 0.045	N/A	- 0.005	- 0.160
12/8/2020	+0.000	-0.02	-0.137	-0.208	+0.000	N/A	+0.000	-0.203
3/30/2021	- 0.010	- 0.045	- 0.162	- 0.219	+0.000	N/A	- 0.010	- 0.197
4/14/2021	NG	NG	NG	NG	+0.000	N/A	NG	NG
5/20/2021	NG	NG	NG	NG	-0.014	N/A	NG	NG
6/11/2021	-0.045	-0.051	-0.262	-0.903	-0.039	N/A	-0.016	-0.201
9/8/2021	-0.045	-0.058	-0.285	-1.020	-0.034	N/A	-0.041	-0.060
12/10/2021	-0.010	-0.40	-0.189	-0.177	-0.004	N/A	+0.000	-0.190
1/11/2022	NG	NG	NG	NG	NG	N/A	-0.012	NG
3/10/2022	-0.012	-0.032	-0.141	-0.262	+0.000	N/A	+0.000	-0.133
3/31/2021	NG	NG	NG	NG	-0.167	N/A	-0.014	NG
6/6/2022	-0.014	-0.050	-0.211	-0.299	+0.000	N/A	-0.016	-0.026
7/28/2022	NG	NG	NG	NG	-0.010	N/A	NG	NG
9/22/2022	-0.019	-0.057	-0.238	-0.328	-0.017	N/A	-0.020	-0.263
10/13/2022	-0.045	-0.063	-0.123	-0.215	-0.035	N/A	-0.018	-0.131
11/7/2022	-0.014	-0.057	-0.218	-0.312	+0.000	N/A	-0.016	-0.232
12/8/2022	-0.017	-0.043	-0.153	-0.298	+0.000	N/A	-0.015	-0.156
1/31/2023	-0.009	-0.044	-0.187	-0.279	+0.000	N/A	-0.012	-0.158
2/21/2023	-0.10	-0.045	N/A	-0.299	+0.000	N/A	-0.014	-0.165
3/10/2023	-0.015	-0.030	-0.046	-0.266	+0.000	N/A	-0.015	-0.035
4/12/2023	NG	NG	NG	NG	+0.000	N/A	NG	NG
5/17/2023	NG	NG	NG	NG	+ 0.000	N/A	NG	NG
6/20/2023	-0.012	-0.045	-0.237	-0.350	+ 0.000	N/A	-0.017	-0.207
7/5/2023	NG	NG	NG	NG	NG	N/A	NG	NG
8/17/2023	NG	NG	NG	NG	-0.014	N/A	NG	NG
9/13/2023	-0.016	-0.062	-0.433	Covered	-0.011	N/A	-0.018	-0.284
10/3/2023	NG	NG	NG	Covered	NG	N/A	NG	NG
11/11/2023	NG	NG	NG	-0.087	NG	N/A	NG	NG
12/12/2023	-0.016	-0.035	-0.089	-0.319	+ 0.000	N/A	-0.018	-0.257
1/12/2024	NG	NG	NG	NG	-0.04	N/A	NG	NG
2/8/2024	NG	NG	NG	NG	NG	N/A	NG	NG
3/12/2024	+ 0.000	-0.001	-0.006	-0.012	+ 0.000	N/A	+ 0.000	-0.009
4/9/2024	+ 0.000	NG	NG	NG	+ 0.000	N/A	-0.016	NG
4/15/2024	-0.036	-0.101	-0.652	-0.864	+0.000	-0.058	-0.038	-0.695
5/8/2024	-0.012	NG	NG	NG	+ 0.000	-0.019	NG	NG
6/13/2024	-0.018	-0.047	-0.293	-0.376	+ 0.000	-0.026	-0.020	-0.290

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

Environmental Advantage

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	43.0	40.0		1.4	0.7	
10/3/2019	44.0	45.0		1.0	4.5	
10/9/2019	44.5	45.5		0.0	0.0	
11/5/2019	44.0	46.0		0.0	0.4	
12/3/2019		39.0	28.0		1.2	0.4
1/22/2020					0.4	0.0
2/11/2020	31.0	30.0	27.5	0.2	0.0	0.0
3/27/2020	29.0	32.0	28.0	0.0	0.0	0.0
6/29/2020	27.0	31.0	29.0	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	31.0	29.0	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	31.0	31.0	29.0	0.0	0.0	0.0
1/4/2021				0.0	0.0	0.0
2/18/2021						0.0
3/30/2021		32.0	30.0		0.0	0.0
4/14/2021					0.1	0.0
5/20/2021				0.0	0.0	0.0
6/11/2021	23.0	31.0	30.0	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	29.0	31.0	30.0	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	30.0	32.0	30.0	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	11.0	32.0	31.0	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	28.0	31.0	32.0	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	29.0	31.0	32.0	0.0	0.0	0.0
10/13/2022	29.0	31.0	0.0	0.0	0.0	NG
11/7/2022	29.0	31.0	0.0	0.0	0.0	NG
12/9/2022	30.0	30.0	30.0	0.0	0.0	0.0
1/31/2023	0.0	0.0	30.0	NG	NG	0.0
2/21/2023	NG	NG	NG	NG	NG	NG
3/10/2023	0.0	0.0	30.0	0.0	0.0	0.0
4/6/2023	NG	NG	28.0	NG	NG	0.0
5/17/2023	NG	NG	27.0	NG	NG	0.0
6/20/2023	0.0	0.0	29.0	0.0	0.0	0.0
7/5/2023	NG	NG	29.0	NG	NG	0.0
8/17/2023	NG	NG	29.0	NG	NG	0.3
9/13/2023	0.0	0.0	29.0	0.0	0.0	0.0
10/3/2023	35.0	38.0	30.0	27.9	6.7	1.0
11/11/2023	33.0	36.0	29.0	1.1	2.1	0.0
12/12/2023	34.0	37.0	29.0	4.7	2.5	0.1
1/12/2024	34.0	35.0	30.0	2.3	1.8	0.4
2/8/2024	43.0	46.0	30.0	1.6	1.2	0.2
3/12/2024	43.0	46.0	31.0	3.8	2.8	0.5
4/9/2024	44.0	46.0	30.0	0.4	0.0	0.0
4/15/2024	43.0	45.0	30.0	0.0	0.0	0.0
5/8/2024	43.0	45.0	30.0	0.4	0.3	10.3
6/13/2024	42.0	45.0	29.0	1.5	0.8	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	-0.030	-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
4/6/2023	NG	NG	NG	NG	NG	NG
5/17/2023	NG	NG	NG	NG	NG	NG
6/20/2023	+0.000	+0.000	-0.029	+0.000	-0.024	-0.040
7/5/2023	NG	NG	NG	NG	NG	NG
8/17/2023	NG	NG	NG	NG	NG	NG
9/13/2023	+ 0.000	+ 0.000	-0.03	+ 0.000	-0.019	-0.038
10/3/2023	-0.036	-0.063	NG	-0.040	NG	NG
11/11/2023	-0.024	-0.044	-0.046	-0.043	-0.162	-0.108
12/12/2023	-0.016	-0.046	-0.024	-0.028	-0.063	-0.032
1/12/2024	NG	NG	NG	NG	NG	NG
2/8/2024	NG	NG	NG	NG	NG	NG
3/12/2024	-0.051	-0.073	-0.028	-0.069	-0.067	-0.025
4/9/2024	NG	NG	NG	NG	NG	NG
4/15/2024	-0.091	-0.203	-0.059	-0.163	-0.214	-0.078
5/8/2024	NG	NG	NG	NG	NG	NG
6/13/2024	-0.035	-0.081	-0.021	-0.066	-0.102	-0.042

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: The extraction system in area C was operated by fans from 2019-2023. In August 2023, the fans at EW-1C and EW-2C were removed, and a 1.5 hp blower was installed. EW-3C continues to be operated by a fan.

Environmental Advantage

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

Parameter	June 2024 - L2434419	
	AREA A-PRE (061824)	AREA A-POST (061824)
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	9.98	23.2
1,2-Dibromoethane	ND	ND
1,2-Dichlorobenzene	ND	ND
1,2-Dichloroethane	ND	ND
1,2-Dichloropropane	ND	ND
1,3,5-Trimethylbenzene	2.79	5.9
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	6.64	ND
2-Hexanone	ND	ND
3-Chloropropene	ND	ND
4-Ethyltoluene	2.19	6.19
4-Methyl-2-pentanone	15.9	24.8
Acetone	143	130
Benzene	1.87	5.81
Benzyl chloride	ND	ND
Bromodichloromethane	ND	ND
Bromoform	ND	ND
Bromomethane	ND	ND
Carbon disulfide	5.89	24.2
Carbon tetrachloride	ND	ND
Chlorobenzene	ND	ND
Chloroethane	ND	ND
Chloroform	5.57	26.2
Chloromethane	2.03	3.63
cis-1,2-Dichloroethene	6.54	24.8
cis-1,3-Dichloropropene	ND	ND
Cyclohexane	ND	ND
Dibromochloromethane	ND	ND
Dichlorodifluoromethane	4.03	7.22
Ethyl Alcohol	50.9	166
Ethyl Acetate	ND	ND
Ethylbenzene	4.2	13.2
Freon-113	ND	ND
Freon-114	ND	ND
Heptane	3.75	4.67
Hexachlorobutadiene	ND	ND
iso-Propyl Alcohol	178	1150
Methyl tert butyl ether	ND	ND
Methylene chloride	ND	ND
n-Hexane	4.72	18.6
Naphthalene	ND	ND
o-Xylene	6.39	19.7
p/m-Xylene	19.3	63.9
Styrene	2.27	ND
tert-Butyl Alcohol	20.6	49.1
Tetrachloroethene	9.97	27.7
Tetrahydrofuran	2.48	5.75
Toluene	17.6	47.1
trans-1,2-Dichloroethene	ND	3.1
trans-1,3-Dichloropropene	ND	ND
Trichloroethene	450	20
Trichlorofluoromethane	10.2	25
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

	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	
Parameter	**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)**
Volatile Organics in Air (ug/m^3)																													
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Cyclohexane	4.23	ND	ND	2	ND	2.52	ND	ND	ND	1.61	ND	0.847	ND	ND	2.54	0.823		2.1	ND	1.41	ND	2.42	ND	ND	1.29		1.61	ND	ND	ND
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
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
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
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
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
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
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
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
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
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
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
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
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
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
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
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
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.78	ND	0.873	3.17	ND	ND	0.856		2.14	ND	ND	ND	1.9	1.14	1.29	1.23		ND	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
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
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
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
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
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
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
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
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
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
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
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	
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	

CARBON CHANGEOUT

Notes:
1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 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); NA = Not Analyzed; 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 4
MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, NY
Summary of Air Analytical Testing Results

Parameter	June 2022- L2229574		September 2022 L2252350		12/09/2022	December 2022 - L2269445		March 2023 - L2312615		June 2023 - L2335506		September 2023 - L2353358		December 2023 - L2373355		March 2024 - L2413550		June 2024 - L2434419	
	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)	AREA A-PRE (062023)	AREA A-POST (062023)	AREA A-PRE (091323)	AREA A-POST (091323)	AREA A-PRE (121223)	AREA A-POST (121223)	AREA A-PRE (031224)	AREA A-POST (031224)	AREA A-PRE (061824)	AREA A-POST (061824)
Volatile Organics in Air (ug/m^3)																			
1,1,1-Trichloroethane	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
1,1,2-Trichloroethane	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
1,1-Dichloroethene	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
1,2,4-Trimethylbenzene	ND	9.83	4.33	4.39		2.89	3.58	2.16	ND	5.8	4.78	4.35	3.34	4.24	2.3	10.9	3.06	9.98	23.2
1,2-Dibromoethane	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
1,2-Dichloroethane	ND	0.999	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	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
1,3,5-Trimethylbenzene	ND	2.7	1.33	1.23		ND	1.55	ND	ND	1.7	1.24	1.15	ND	1.59	ND	4.48	1.26	2.79	5.9
1,3-Butadiene	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
1,4-Dichlorobenzene	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
2,2,4-Trimethylpentane	ND	ND	1.22	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.31	ND	ND	ND
2-Butanone	ND	3.27	2.92	3.16		2.08	ND	4.13	ND	4.98	1.79	4.16	2.01	1.86	ND	2.66	ND	6.64	ND
2-Hexanone	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
4-Ethyltoluene	ND	1.85	ND	ND		ND	ND	ND	ND	1.23	ND	ND	ND	0.998	ND	2.82	ND	2.19	6.19
4-Methyl-2-pentanone	ND	ND	ND	3.43		ND	ND	ND	ND	2.42	ND	5.49	ND	ND	ND	ND	ND	15.9	24.8
Acetone	668	58.7	69.6	33.5		196	17.3	466	23.6	112	19.1	62.5	15.9	80.8	18.3	236	37.8	143	130
Benzene	ND	1.53	1.56	ND		1.83	0.757	1.45	ND	1.8	1.04	1.29	0.652	0.706	ND	1.04	ND	1.87	5.81
Benzyl chloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	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
Bromomethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	7.51	3.74	8.16	6.26		4.20	0.782	ND	3.21	7.29	2.3	6.17	1.89	3.89	1.4	0.772	0.866	5.89	24.2
Carbon tetrachloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	0.953	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	21.6	1.67	14	31.3		24.4	ND	18.9	ND	15.1	ND	3.97	15.1	3.63	9.96	1.87	4.44	5.57	26.2
Chloromethane	ND	0.812	0.849	0.518		0.748	0.791	ND	ND	0.772	0.776	0.653	0.586	0.69	0.578	1.39	0.64	2.03	3.63
cis-1,2-Dichloroethene	ND	0.999	5.27	6.03		3.30	ND	3.71	ND	5.15	1.34	5.19	4.32	3.85	3.16	2.34	4.24	6.54	24.8
cis-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	0.981	ND		0.898	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	3.12	3.2	2.27		2.61	ND	2.53	2.84	3.19	2.91	2.33	1.84	2.62	2.2	2.19	2.88	4.03	7.22
Ethyl Alcohol	148	119	126	83.8		127	25.1	114	121	61	57.8	51.8	43	28.6	52	107	87.1	50.9	166
Ethyl Acetate	ND	3.6	4.72	ND		170	137	214	170	178	176	50.1	47.2	24.2	38.9	46.1	41.4	ND	ND
Ethylbenzene	ND	3.87	2.21	1.12		3.86	1.21	2.68	ND	4.08	2.24	2.42	1.23	1.52	ND	3.16	1.55	4.2	13.2
Freon-113	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
Heptane	ND	1.75	1.79	ND		9.02	ND	18	ND	1.36	ND	1.23	ND	2.19	ND	8.11	0.91	3.75	4.67
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
iso-Propyl Alcohol	5090	733 D	56.5	157		467	50.9	637	280	213	551	94.9	317	96.8	160	217	438	178	1150
Methyl tert butyl ether	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	3.07	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	4.72	18.6
n-Hexane	14.4	4.86	12.5	8.07		27.7	4.44	ND	ND	9.8	7.08	13.5	10.3	6.8	1.74	11.1	ND	ND	ND
o-Xylene	ND	6.34	3.61	2.28		4.60	2.33	3.03	ND	5.73	4.05	3.76	2.22	2.12	1.32	3.61	1.76	6.39	19.7
p/m-Xylene	18.6	17.3	9.86	5.26		14.8	6.30	10.6	ND	18.2	11.60	11	6.08	6.47	3.69	11.9	5.95	19.3	63.9
Styrene	ND	0.856	ND	ND		1.26	ND	ND	ND	1.91	0.975	1.32	ND	ND	ND	ND	ND	2.27	ND
tert-Butyl Alcohol	20.3	ND	6.55	4.79		16.6	ND	18	ND	4.18	ND	4.55	2.37	3.3	4.37	8.61	11.1	20.6	49.1
Tetrachloroethene	ND	ND	2.31	ND		2.94	5.51	4.17	ND	2.27	ND	1.67	ND	ND	ND	ND	ND	9.97	27.7
Tetrahydrofuran	ND	4.16	ND	2.22		ND	ND	ND	ND	2.14	ND	1.91	ND	ND	ND	ND	ND	2.48	5.75
Toluene	20.3	18.4	11.6	4.37		18.6	4.33	10.9	3.66	15.2	8.89	8.48	5.2	4.52	2.86	11	4.6	17.6	47.1
trans-1,2-Dichloroethene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1
trans-1,3-Dichloropropene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	262	18.4	353	29.4		250	8.38	183	ND	327	18.3	313	18.4	248	12.6	152	9.24	450	20
Trichlorofluoromethane	ND	5.22	3.73	4.61		1.48	ND	ND	ND	4.81	7.31	5.68	4.78	2.16	1.73	2.81	2.12	10.2	25
Vinyl bromide	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Target cVOCs	262.00	19.40	363.65	35.43		256.24	13.89	190.88	0.00	334.42	19.64	319.86	22.72	251.85	15.76	154.34	13.48	466.51	72.50
Percent Decrease of CVOCs Pre to Post Carbon (%)	-92.60		-90.26			-94.58		-100.00		-94.13		-92.90		-93.74		-91.27		-84.46	
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	-90.73		-87.13			-90.93		-93.25		-88.17		-88.68		-91.09		-94.54		-83.49	

CARBON CHANGEOUT

Notes:
1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m^3 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); NA = Not Analyzed; 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
	4/6/23	600.71	5.35	595.36	**120 J**	-57.14
	5/17/23	600.71	5.80	594.91	NT	N/A
	6/20/23	600.71	7.18	593.53	NT	N/A
	7/25/23	600.71	NG	NG	NT	N/A
	8/17/23	600.71	5.95	594.76	NT	N/A
	10/3/23	600.71	6.30	594.41	**400**	42.86
	1/12/24	600.71	5.28	595.43	**330**	17.86
	4/9/24	600.71	5.62	595.09	**300**	7.14
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
	4/6/23	600.41	4.60	595.81	**19**	-52.50
	5/17/23	600.41	5.60	594.81	NT	N/A
	6/20/23	600.41	5.94	594.47	NT	N/A
	7/25/23	600.41	5.60	594.81	**23**	-42.50
	8/17/23	600.41	5.74	594.67	NT	N/A
	10/3/23	600.41	6.05	594.36	**12**	-70.00
	1/12/24	600.41	5.34	595.07	**12**	-70.00
	4/9/24	600.41	5.58	594.83	**29**	-27.50
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
	4/6/23	600.50	3.76	596.74	**ND**	-100.00
	5/17/23	600.50	4.69	595.81	NT	N/A
	6/20/23	600.50	5.20	595.30	NT	N/A
	7/25/23	600.50	4.71	595.79	**0.20 J**	-54.55
	8/17/23	600.50	4.94	595.56	NT	N/A
	10/3/23	600.50	5.39	595.11	**0.18 J**	-59.09
	1/12/24	600.50	4.14	596.36	ND	N/A
	4/9/24	600.50	4.41	596.09	ND	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
	4/6/23	600.31	3.10	597.21	**32 J**	-80.00
	5/17/23	600.31	4.01	596.30	NT	N/A
	6/20/23	600.31	5.50	594.81	NT	N/A
	7/25/23	600.31	3.98	596.33	**90**	-43.75
	8/17/23	600.31	4.20	596.11	NT	N/A
	10/3/23	600.31	6.70	593.61	**71**	-55.63
	1/12/24	600.31	3.11	597.20	**36**	-77.50
	4/9/24	600.31	3.66	596.65	**43**	-73.13
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
	4/6/23		6.22	-6.22	NT	N/A
	5/17/23		5.53	-5.53	NT	N/A
	6/20/23		6.87	-6.87	NT	N/A
	7/25/23		6.50	-6.50	NT	N/A
	8/17/23		6.78	-6.78	NT	N/A
	10/3/23		6.97	-6.97	NT	N/A
	1/12/24		6.25	-6.25	NT	N/A
	4/9/24		6.45	-6.45	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
	4/6/23		4.95	-4.95	NT	N/A
	5/17/23		5.20	-5.20	NT	N/A
	6/20/23		5.52	-5.52	NT	N/A
	7/25/23		5.21	-5.21	NT	N/A
	8/17/23		5.34	-5.34	NT	N/A
	10/3/23		5.64	-5.64	NT	N/A
	1/12/24		5.05	-5.05	NT	N/A
	4/9/24		5.13	-5.13	NT	N/A
MW - 4	3/10/21	601.97	2.30	599.67	NT	N/A
	3/30/21	601.97	2.20	599.77	NT	N/A
	4/14/21	601.97	2.18	599.79	NT	N/A
	5/20/21	601.97	2.35	599.62	NT	N/A
	6/11/21	601.97	2.40	599.57	NT	N/A
	7/1/21	601.97	NG	#VALUE!	NT	N/A
	8/25/21	601.97	NG	#VALUE!	NT	N/A
	9/22/21	601.97	NG	#VALUE!	NT	N/A

Notes:

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

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

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	1,1-Dichloroethene (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Benzene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	% Increase/ Decrease TCE
	NY-TOGS-GA (µg/L)				5	50	50	1	5	5	5	2		
MW - 3	2/5/18	600.71	5.05	595.66	ND	ND	ND	ND	80	14	280	13	387.0	Baseline
	Potassium Permanganete Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.71	NG	NG	ND	3.10 J	38	ND	ND	ND	ND	ND	43.4	-100.00
	Potassium Permanganete Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.71	NG	NG	ND	ND	<20	<1	30	3	220	<1	253.0	-21.43
	4/15/20	600.71	5.54	595.17	ND	ND	6.40 J	ND	57	7.3	370 JH	3.7	444.4	32.14
	4/14/21	600.71	5.98	594.73	0.88 J	ND	ND	ND	82	8.8	340	5.6	440.5	21.43
	7/1/21	600.71	6.30	594.41	2.0	ND	ND	0.41 J	140	16	400	8.1	566.5	42.86
	11/19/21	600.71	5.30	595.41	0.77 J	ND	ND	ND	43	4 J	340	2.9	390.7	21.43
	1/12/22	600.71	5.70	595.01	0.86	ND	ND	0.16 J	57	3.3	190	3.5	254.8	-32.14
	4/5/22	600.71	5.65	595.06	0.44 J	ND	ND	ND	46	5.1 J	280	2.3 J	333.8	0.00
	7/6/22	600.71	5.91	594.80	0.48 J	ND	ND	ND	74	6.2	240	3.7	324.4	-14.29
	10/7/22	600.71	6.03	594.68	0.76 J	6.50 J	7.60 J	0.34 J	92	6.5	350	7.2	470.9	25.00
	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
	4/6/23	600.71	5.35	595.36	ND	ND	ND	ND	17 J	0.92 J	120 J	0.41 J	138.3	-57.14
	7/25/23	600.71	NG	NG	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	10/3/23	600.71	6.30	594.41	ND	ND	ND	ND	99	8.3 J	400	4.8	512.1	42.86
	1/12/24	600.71	5.28	595.43	0.35 J	ND	ND	ND	66	5.4	330	1.7 J	403.5	17.86
	4/9/24	600.71	5.62	595.09	0.41 J	ND	ND	ND	54	4.9 J	300	1.9 J	361.2	7.14
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
	4/6/23	600.41	4.60	595.81	0.39 J	ND	ND	ND	10 J	16	19 J	10	55.4	-52.50
	7/25/23	600.41	5.60	594.81	0.22 J	ND	2.5 J	0.20 J	12	17	23	17	71.9	-42.50
	10/3/23	600.41	6.05	594.36	ND	ND	5.7	ND	11	12	12	8.5	49.2	-70.00
	1/12/24	600.41	5.34	595.07	0.22 J	ND	ND	ND	11	13	12	8.7	44.9	-70.00
	4/9/24	600.41	5.58	594.83	0.52	ND	2.4 J	0.17 J	12	18	29	12	74.1	-27.50
MW - 12	2/5/18	600.50	4.52	595.98	ND	ND	2.2 J	ND	ND	ND	0.44 J	ND 9	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
	4/6/23	600.50	3.76	596.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/25/23	600.50	4.71	595.79	ND	ND	ND	ND	ND	ND	0.20 J	ND	0.2	-54.55
	10/3/23	600.50	5.39	595.11	ND	ND	ND	ND	ND	ND	0.18 J	ND	0.2	-59.09
	1/12/24	600.50	4.14	596.36	ND	ND	ND	ND	ND	ND	ND	ND	0.0	-100.00
	4/9/24	600.50	4.41	596.09	ND	ND	ND	ND	ND	ND	ND	ND	0.0	-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
	4/6/23	600.31	3.10	597.21	0.22 J	ND	ND	ND	42 J	ND	32 J	15	89.2	-80.00
	7/25/23	600.31	3.98	596.33	0.55	ND	ND	ND	89	1.3 J	90	35	215.9	-43.75
	10/3/23	600.31	6.70	593.61	0.55	ND	ND	ND	90	1.1 J	71	35	197.7	-55.63
	1/12/24	600.31	3.11	597.20	0.18 J	ND	ND	ND	35	ND	36	9.1	80.3	-77.50
	4/9/24	600.31	3.66	596.65	0.30 J	ND	ND	ND	55	0.7 J	43	22	121.0	-73.13

Notes:

1. NG = Not Gauged; NT = Not Tested; 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
8. QA/QC Results not included on this table, please see full analyitical report.

Environmental Advantage

ATTACHMENT C

Well Data Sheets

Environmental Advantage

Well Data Sheet

Date: 4/9/24
Job #: 01304
Well ID: SB116/MW-3
Crew: RH, CS
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 5.62
Initial Water Level (GS): 6.22

Volume Calculation: (15.0 - 5.62) x 0.163 = 1.53
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:37	2	6.32	1.30	15.13	13.1
10:46	3	6.37	1.31	15.69	0.1
10:57	4	6.38	1.27	15.86	0.0
11:08	5	6.41	1.26	16.03	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality: fair
Final Water Quality: good

SAMPLE RECORD

Date: 4/9/24
Time: 11:08
Crew: RH, CS
Method: low flow
Sample ID: MW-3
Water Quality: good
pH: 6.41
Conductivity: 1.26
Temperature: 16.03
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: PID Headspace = 2.1

TOR= Top of Riser
GS= Ground Surface

Signature: Rylie Hooker

Well Data Sheet

Date: 4/9/24
Well ID: MW-11
Crew: RH, CS
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 5.58
Initial Water Level (GS): 6.41

Job #: 01304

Volume Calculation: (15.05 - 5.58) x 0.041 = 0.388
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:50	0.5	6.40	2.67	19.57	196
11:56	1	6.48	3.32	19.06	774
12:02	1.5	6.66	2.45	19.56	23.3
12:15	2	6.70	2.23	18.29	14.4

Purge Method: Bailer/Submersible Pump
Initial Water Quality: poor
Final Water Quality: good

SAMPLE RECORD

Date: 4/9/24
Time: 12:15
Crew: RH, CS
Method: low flow
Sample ID: MW-11
Water Quality: good
pH: 6.70
Conductivity: 2.23
Temperature: 18.29
Turbidity: 14.4

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: PID Headspace : 0.8

TOR= Top of Riser
GS= Ground Surface

Signature: Ryker Hooker

Well Data Sheet

Date: 04/09/24 Job #: 01304

Well ID: MW-12

Crew: RH, CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.41

Initial Water Level (GS): 4.91

Volume Calculation: (14.7 - 4.41) × 0.041 = .4218

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
1:40	0.5	6.57	1.08	21.86	20.8
1:51	1	6.809	1.17	20.57	0.0
1:59	1.5	6.76	1.22	20.27	0.0

Purge Method: Bailer/Submersible Pump

Initial Water Quality fair

Final Water Quality good

SAMPLE RECORD

Date: 4/9/24

Time: 13:59

Crew: RH, CS

Method: low flow

Sample ID: MW-12

Water Quality: good

pH: 6.76

Conductivity: 1.22

Temperature: 20.27

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 PID = 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryan Hooker

Well Data Sheet

Date: 4/9/24
Well ID: MW-13
Crew: RH, CS
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 3.66
Initial Water Level (GS): 4.36

Job #: 01304

Volume Calculation: (14.23 - 3.66) × 0.041 = .433
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
2:30	.5	7.28	1.11	13.77	0.0
2:38	1	7.34	1.07	13.84	0.0
2:46	1.5	7.38	0.985	15.76	0.0

Purge Method: Bailer/~~Submersible Pump~~
Initial Water Quality good
Final Water Quality good

SAMPLE RECORD

Date: 4/9/24
Time: 14:46
Crew: RH, CS
Method: low flow
Sample ID: MW-13
Water Quality: good
pH: 7.38
Conductivity: 0.985
Temperature: 15.76
Turbidity: 0.0

Volume: See chain
Analysis: 11
Chain of Custody #: —
Sample Type: Grab

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

Comments: PID Headspace - 0.0

TOR= Top of Riser
GS= Ground Surface

Signature: Ryle Hooker

Well Data Sheet

Date: 04/09/24 Job #: 01304

Well ID: MW-14

Crew: RH, CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 0.45

Initial Water Level (GS): 6.91

Volume Calculation: NO SAMPLE

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: PID Headspace - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Rylee Hooker

Well Data Sheet

Date: 4/9/24

Job #: 01304

Well ID: MW-15

Crew: RH, CS

Well Depth (TOR): 10.92

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.13

Initial Water Level (GS): 4.93

Volume Calculation: NO SAMPLE

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: PID Headspace - 0.0

TOR= Top of Riser

GS= Ground Surface

Signature: Ryker Hooker

ATTACHMENT D

Analytical Laboratory Reports

Environmental Advantage

ANALYTICAL REPORT

Lab Number:	L2419960
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC Q2 GROUNDWATER SAMPLING
Project Number:	01304
Report Date:	04/18/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2419960-01	MW-3 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 11:08	04/11/24
L2419960-02	MW-11 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 12:15	04/11/24
L2419960-03	MW-11 (040924) DUPLICATE	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 12:15	04/11/24
L2419960-04	MW-12 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 13:59	04/11/24
L2419960-05	MW-13 (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 14:46	04/11/24
L2419960-06	TRIP BLANK (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 14:30	04/11/24
L2419960-07	RINSTATE BLANK (040924)	WATER	MOD-PAC CORP. BUFFALO, NY	04/09/24 15:00	04/11/24

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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 Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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: Caitlin Walukevich

Title: Technical Director/Representative Date: 04/18/24

ORGANICS

VOLATILES

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-01 D
Client ID: MW-3 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 11:08
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 12:10
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	1.9	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.41	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	4.9	J	ug/l	5.0	1.4	2
Trichloroethene	300		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-01 D
Client ID: MW-3 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 11:08
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	54		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	107		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-02
Client ID: MW-11 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 12:15
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 12:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.17	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	12		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.52		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	18		ug/l	2.5	0.70	1
Trichloroethene	29		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-02 Date Collected: 04/09/24 12:15

Client ID: MW-11 (040924) Date Received: 04/11/24

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	0.17	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	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	114		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-03
Client ID: MW-11 (040924) DUPLICATE
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 12:15
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:00
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	9.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.42	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	24		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-03 Date Collected: 04/09/24 12:15

Client ID: MW-11 (040924) DUPLICATE Date Received: 04/11/24

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	0.17	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	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	113		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-04
Client ID: MW-12 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 13:59
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:26
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: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-04 Date Collected: 04/09/24 13:59

Client ID: MW-12 (040924) Date Received: 04/11/24

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	0.17	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	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-05
Client ID: MW-13 (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 14:46
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 13:51
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	22		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.30	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.70	J	ug/l	2.5	0.70	1
Trichloroethene	43		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-05 Date Collected: 04/09/24 14:46

Client ID: MW-13 (040924) Date Received: 04/11/24

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	0.17	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	55		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	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-06
Client ID: TRIP BLANK (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 14:30
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 14:17
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: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-06 Date Collected: 04/09/24 14:30

Client ID: TRIP BLANK (040924) Date Received: 04/11/24

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	0.17	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	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-07
Client ID: RINSTATE BLANK (040924)
Sample Location: MOD-PAC CORP. BUFFALO, NY

Date Collected: 04/09/24 15:00
Date Received: 04/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/24 14:42
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: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

SAMPLE RESULTS

Lab ID: L2419960-07 Date Collected: 04/09/24 15:00

Client ID: RINSTATE BLANK (040924) Date Received: 04/11/24

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	0.17	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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	115		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					
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: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
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: MPC Q2 GROUNDWATER SAMPLING **Lab Number:** L2419960

Project Number: 01304 **Report Date:** 04/18/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1909186-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

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: WG1909186-3 WG1909186-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	92		94		63-132	2		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	97		96		70-130	1		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	91		88		62-150	3		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		96		67-130	2		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
Bromoform	83		85		54-136	2		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	98		98		70-130	0		20
Chloromethane	88		88		64-130	0		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	91		90		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

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: WG1909186-3 WG1909186-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	90		87		70-130	3		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	96		98		70-130	2		20
1,4-Dichlorobenzene	96		97		70-130	1		20
Methyl tert butyl ether	91		93		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	78		77		36-147	1		20
Acetone	84		87		58-148	4		20
Carbon disulfide	95		92		51-130	3		20
2-Butanone	81		87		63-138	7		20
4-Methyl-2-pentanone	78		76		59-130	3		20
2-Hexanone	75		77		57-130	3		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	95		87		70-130	9		20
1,2-Dibromo-3-chloropropane	84		85		41-144	1		20
Isopropylbenzene	95		96		70-130	1		20
1,2,3-Trichlorobenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

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: WG1909186-3 WG1909186-4								
1,2,4-Trichlorobenzene	89		93		70-130	4		20
Methyl Acetate	86		89		70-130	3		20
Cyclohexane	96		95		70-130	1		20
1,4-Dioxane	78		84		56-162	7		20
Freon-113	91		89		70-130	2		20
Methyl cyclohexane	96		96		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	100		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2419960

Report Date: 04/18/24

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: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
Methylene chloride	ND	10	9.6	96		9.9	99		70-130	3		20
1,1-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	9.9	99		10	100		70-130	1		20
Dibromochloromethane	ND	10	9.2	92		9.5	95		63-130	3		20
1,1,2-Trichloroethane	ND	10	9.9	99		9.8	98		70-130	1		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	9.7	97		10	100		75-130	3		20
Trichlorofluoromethane	ND	10	10	100		10	100		62-150	0		20
1,2-Dichloroethane	ND	10	9.7	97		10	100		70-130	3		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	9.8	98		10	100		67-130	2		20
trans-1,3-Dichloropropene	ND	10	9.0	90		9.3	93		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.6	86		9.0	90		70-130	5		20
Bromoform	ND	10	8.0	80		8.4	84		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.3	93		67-130	1		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	9.2	92		10	100		64-130	8		20
Bromomethane	ND	10	11	110		14	**140**	Q	39-139	**24**	Q	20
Vinyl chloride	ND	10	9.8	98		10	100		55-140	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304
Lab Number: L2419960
Report Date: 04/18/24

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: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
Chloroethane	ND	10	12	120		13	130		55-138	8		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	9.6	96		9.6	96		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.3	93		9.5	95		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.6	96		9.6	96		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.2	92		9.4	94		70-130	2		20
Methyl tert butyl ether	ND	10	8.5	85		8.8	88		63-130	3		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	8.3	83		8.6	86		36-147	4		20
Acetone	ND	10	8.2	82		8.5	85		58-148	4		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	8.0	80		7.6	76		63-138	5		20
4-Methyl-2-pentanone	ND	10	7.4	74		7.7	77		59-130	4		20
2-Hexanone	ND	10	6.8	68		7.0	70		57-130	3		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	8.4	84		9.9	99		70-130	16		20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80		8.0	80		41-144	0		20
Isopropylbenzene	ND	10	9.5	95		9.5	95		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.1	91		9.2	92		70-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304
Lab Number: L2419960
Report Date: 04/18/24

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: WG1909186-6 WG1909186-7 QC Sample: L2419960-04 Client ID: MW-12 (040924)												
1,2,4-Trichlorobenzene	ND	10	8.6	86		8.5	85		70-130	1		20
Methyl Acetate	ND	10	7.9	79		7.9	79		70-130	0		20
Cyclohexane	ND	10	11	110		10	100		70-130	10		20
1,4-Dioxane	ND	500	310	62		370	74		56-162	18		20
Freon-113	ND	10	10	100		10	100		70-130	0		20
Methyl cyclohexane	ND	10	10	100		9.5J	95		70-130	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	101		102		70-130

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2419960-01A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-01B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-01C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-02C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-03C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04A2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04B2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C1	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-04C2	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-05A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-05B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: MPC Q2 GROUNDWATER SAMPLING
Project Number: 01304

Lab Number: L2419960
Report Date: 04/18/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2419960-05C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-06A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-06B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07A	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07B	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2419960-07C	Vial HCl preserved	D	NA		4.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MPC Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
Project Number:	01304	**Report Date:**	04/18/24

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 Q2 GROUNDWATER SAMPLING	**Lab Number:**	L2419960
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

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

Mansfield Facility
SM 2540D: TSS.
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, 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: 4/12/24

ALPHA Job #: L2419960

Client Information
Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd. Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

Project Information
Project Name: MPC Q2 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:
Please also email results to labresults@envadvantage.com.

Please specify Metals or TAL.

ANALYSIS
VOCs 8260 TCL

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	VOCs 8260 TCL	Sample Specific Comments
19960-01	MW-3 (040924)	04/09/24	11:08	Water	CS	X	
02	MW-11 (040924)	04/09/24	12:15	Water	CS	X	
03	MW-11 (040924) Duplicate	04/09/24	12:15	Water	CS	X	
04	MW-12 (040924)	04/09/24	13:59	Water	CS	X	
04	MW-12 (040924) MS	04/09/24	13:59	Water	CS	X	
04	MW-12 (040924) MSD	04/09/24	13:59	Water	CS	X	
05	MW-13 (040924)	04/09/24	14:46	Water	CS	X	
06	Trip Blank (040924)	04/09/24	14:30	Water	CS	X	
07	Rinsate Blank (040924)	04/09/24	15:00	Water	CS	X	

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
Callie Snyder PA	4/11/24 15:10	PA	4/11/24 1510
PA	4/11/24 1555		4/12/24 0115

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)

ANALYTICAL REPORT

Lab Number:	L2434419
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q2 2024 SSDS MONITORING
Project Number:	01304
Report Date:	07/02/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

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

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2434419
Report Date: 07/02/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2434419-01	AREA A-PRE(061824)	SOIL_VAPOR	MPC BUFFALO, NY	06/18/24 09:45	06/18/24
L2434419-02	AREA A-POST(061824)	SOIL_VAPOR	MPC BUFFALO, NY	06/18/24 09:50	06/18/24

Project Name:	Q2 2024 SSDS MONITORING	**Lab Number:**	L2434419
Project Number:	01304	**Report Date:**	07/02/24

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:	Q2 2024 SSDS MONITORING	**Lab Number:**	L2434419
Project Number:	01304	**Report Date:**	07/02/24

Case Narrative (continued)

Volatile Organics in Air

L2434419-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

L2434419-01D and -02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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: 07/02/24

AIR

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-01 D
Client ID: AREA A-PRE(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:45
Date Received: 06/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/27/24 01:28
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.815	0.333	--	4.03	1.65	--		1.667
Chloromethane	0.982	0.333	--	2.03	0.688	--		1.667
Freon-114	ND	0.333	--	ND	2.33	--		1.667
Vinyl chloride	ND	0.333	--	ND	0.851	--		1.667
1,3-Butadiene	ND	0.333	--	ND	0.737	--		1.667
Bromomethane	ND	0.333	--	ND	1.29	--		1.667
Chloroethane	ND	0.333	--	ND	0.879	--		1.667
Ethanol	27.0	8.34	--	50.9	15.7	--		1.667
Vinyl bromide	ND	0.333	--	ND	1.46	--		1.667
Acetone	60.0	1.67	--	143	3.97	--		1.667
Trichlorofluoromethane	1.81	0.333	--	10.2	1.87	--		1.667
Isopropanol	72.5	0.834	--	178	2.05	--		1.667
1,1-Dichloroethene	ND	0.333	--	ND	1.32	--		1.667
Tertiary butyl Alcohol	6.81	0.834	--	20.6	2.53	--		1.667
Methylene chloride	ND	0.834	--	ND	2.90	--		1.667
3-Chloropropene	ND	0.333	--	ND	1.04	--		1.667
Carbon disulfide	1.89	0.333	--	5.89	1.04	--		1.667
Freon-113	ND	0.333	--	ND	2.55	--		1.667
trans-1,2-Dichloroethene	ND	0.333	--	ND	1.32	--		1.667
1,1-Dichloroethane	ND	0.333	--	ND	1.35	--		1.667
Methyl tert butyl ether	ND	0.333	--	ND	1.20	--		1.667
2-Butanone	2.25	0.834	--	6.64	2.46	--		1.667
cis-1,2-Dichloroethene	1.65	0.333	--	6.54	1.32	--		1.667

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-01 D
Client ID: AREA A-PRE(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:45
Date Received: 06/18/24
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	ND	0.834	--	ND	3.01	--		1.667
Chloroform	1.14	0.333	--	5.57	1.63	--		1.667
Tetrahydrofuran	0.840	0.834	--	2.48	2.46	--		1.667
1,2-Dichloroethane	ND	0.333	--	ND	1.35	--		1.667
n-Hexane	1.34	0.333	--	4.72	1.17	--		1.667
1,1,1-Trichloroethane	ND	0.333	--	ND	1.82	--		1.667
Benzene	0.585	0.333	--	1.87	1.06	--		1.667
Carbon tetrachloride	ND	0.333	--	ND	2.09	--		1.667
Cyclohexane	ND	0.333	--	ND	1.15	--		1.667
1,2-Dichloropropane	ND	0.333	--	ND	1.54	--		1.667
Bromodichloromethane	ND	0.333	--	ND	2.23	--		1.667
1,4-Dioxane	ND	0.333	--	ND	1.20	--		1.667
Trichloroethene	83.7	0.333	--	450	1.79	--		1.667
2,2,4-Trimethylpentane	ND	0.333	--	ND	1.56	--		1.667
Heptane	0.914	0.333	--	3.75	1.36	--		1.667
cis-1,3-Dichloropropene	ND	0.333	--	ND	1.51	--		1.667
4-Methyl-2-pentanone	3.88	0.834	--	15.9	3.42	--		1.667
trans-1,3-Dichloropropene	ND	0.333	--	ND	1.51	--		1.667
1,1,2-Trichloroethane	ND	0.333	--	ND	1.82	--		1.667
Toluene	4.66	0.333	--	17.6	1.25	--		1.667
2-Hexanone	ND	0.333	--	ND	1.36	--		1.667
Dibromochloromethane	ND	0.333	--	ND	2.84	--		1.667
1,2-Dibromoethane	ND	0.333	--	ND	2.56	--		1.667
Tetrachloroethene	1.47	0.333	--	9.97	2.26	--		1.667
Chlorobenzene	ND	0.333	--	ND	1.53	--		1.667
Ethylbenzene	0.967	0.333	--	4.20	1.45	--		1.667

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-01 D
Client ID: AREA A-PRE(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:45
Date Received: 06/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	4.45	0.667	--	19.3	2.90	--		1.667
Bromoform	ND	0.333	--	ND	3.44	--		1.667
Styrene	0.533	0.333	--	2.27	1.42	--		1.667
1,1,2,2-Tetrachloroethane	ND	0.333	--	ND	2.29	--		1.667
o-Xylene	1.47	0.333	--	6.39	1.45	--		1.667
4-Ethyltoluene	0.445	0.333	--	2.19	1.64	--		1.667
1,3,5-Trimethylbenzene	0.568	0.333	--	2.79	1.64	--		1.667
1,2,4-Trimethylbenzene	2.03	0.333	--	9.98	1.64	--		1.667
Benzyl chloride	ND	0.333	--	ND	1.72	--		1.667
1,3-Dichlorobenzene	ND	0.333	--	ND	2.00	--		1.667
1,4-Dichlorobenzene	ND	0.333	--	ND	2.00	--		1.667
1,2-Dichlorobenzene	ND	0.333	--	ND	2.00	--		1.667
1,2,4-Trichlorobenzene	ND	0.333	--	ND	2.47	--		1.667
Naphthalene	ND	0.333	--	ND	1.75	--		1.667
Hexachlorobutadiene	ND	0.333	--	ND	3.55	--		1.667

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	105		60-140

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-02 D
Client ID: AREA A-POST(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:50
Date Received: 06/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/27/24 02:07
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.46	0.714	--	7.22	3.53	--		3.571
Chloromethane	1.76	0.714	--	3.63	1.47	--		3.571
Freon-114	ND	0.714	--	ND	4.99	--		3.571
Vinyl chloride	ND	0.714	--	ND	1.83	--		3.571
1,3-Butadiene	ND	0.714	--	ND	1.58	--		3.571
Bromomethane	ND	0.714	--	ND	2.77	--		3.571
Chloroethane	ND	0.714	--	ND	1.88	--		3.571
Ethanol	88.1	17.8	--	166	33.5	--		3.571
Vinyl bromide	ND	0.714	--	ND	3.12	--		3.571
Acetone	54.8	3.57	--	130	8.48	--		3.571
Trichlorofluoromethane	4.44	0.714	--	25.0	4.01	--		3.571
Isopropanol	468	1.78	--	1150	4.38	--		3.571
1,1-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
Tertiary butyl Alcohol	16.2	1.78	--	49.1	5.40	--		3.571
Methylene chloride	ND	1.78	--	ND	6.18	--		3.571
3-Chloropropene	ND	0.714	--	ND	2.23	--		3.571
Carbon disulfide	7.77	0.714	--	24.2	2.22	--		3.571
Freon-113	ND	0.714	--	ND	5.47	--		3.571
trans-1,2-Dichloroethene	0.782	0.714	--	3.10	2.83	--		3.571
1,1-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
Methyl tert butyl ether	ND	0.714	--	ND	2.57	--		3.571
2-Butanone	ND	1.78	--	ND	5.25	--		3.571
cis-1,2-Dichloroethene	6.26	0.714	--	24.8	2.83	--		3.571

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-02 D
Client ID: AREA A-POST(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:50
Date Received: 06/18/24
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	ND	1.78	--	ND	6.41	--		3.571
Chloroform	5.36	0.714	--	26.2	3.49	--		3.571
Tetrahydrofuran	1.95	1.78	--	5.75	5.25	--		3.571
1,2-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
n-Hexane	5.27	0.714	--	18.6	2.52	--		3.571
1,1,1-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Benzene	1.82	0.714	--	5.81	2.28	--		3.571
Carbon tetrachloride	ND	0.714	--	ND	4.49	--		3.571
Cyclohexane	ND	0.714	--	ND	2.46	--		3.571
1,2-Dichloropropane	ND	0.714	--	ND	3.30	--		3.571
Bromodichloromethane	ND	0.714	--	ND	4.78	--		3.571
1,4-Dioxane	ND	0.714	--	ND	2.57	--		3.571
Trichloroethene	3.72	0.714	--	20.0	3.84	--		3.571
2,2,4-Trimethylpentane	ND	0.714	--	ND	3.33	--		3.571
Heptane	1.14	0.714	--	4.67	2.93	--		3.571
cis-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
4-Methyl-2-pentanone	6.06	1.78	--	24.8	7.29	--		3.571
trans-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
1,1,2-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Toluene	12.5	0.714	--	47.1	2.69	--		3.571
2-Hexanone	ND	0.714	--	ND	2.93	--		3.571
Dibromochloromethane	ND	0.714	--	ND	6.08	--		3.571
1,2-Dibromoethane	ND	0.714	--	ND	5.49	--		3.571
Tetrachloroethene	4.09	0.714	--	27.7	4.84	--		3.571
Chlorobenzene	ND	0.714	--	ND	3.29	--		3.571
Ethylbenzene	3.05	0.714	--	13.2	3.10	--		3.571

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

SAMPLE RESULTS

Lab ID: L2434419-02 D
Client ID: AREA A-POST(061824)
Sample Location: MPC BUFFALO, NY

Date Collected: 06/18/24 09:50
Date Received: 06/18/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	14.7	1.43	--	63.9	6.21	--		3.571
Bromoform	ND	0.714	--	ND	7.38	--		3.571
Styrene	ND	0.714	--	ND	3.04	--		3.571
1,1,2,2-Tetrachloroethane	ND	0.714	--	ND	4.90	--		3.571
o-Xylene	4.53	0.714	--	19.7	3.10	--		3.571
4-Ethyltoluene	1.26	0.714	--	6.19	3.51	--		3.571
1,3,5-Trimethylbenzene	1.20	0.714	--	5.90	3.51	--		3.571
1,2,4-Trimethylbenzene	4.72	0.714	--	23.2	3.51	--		3.571
Benzyl chloride	ND	0.714	--	ND	3.70	--		3.571
1,3-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,4-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2,4-Trichlorobenzene	ND	0.714	--	ND	5.30	--		3.571
Naphthalene	ND	0.714	--	ND	3.74	--		3.571
Hexachlorobutadiene	ND	0.714	--	ND	7.62	--		3.571

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	103		60-140

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/24 13:05

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: WG1939807-4								
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: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/24 13:05

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: WG1939807-4								
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: Q2 2024 SSDS MONITORING
Project Number: 01304
Lab Number: L2434419
Report Date: 07/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/24 13:05

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: WG1939807-4								
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
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2434419

Report Date: 07/02/24

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: WG1939807-3								
Dichlorodifluoromethane	105		-		70-130	-		
Chloromethane	100		-		70-130	-		
Freon-114	114		-		70-130	-		
Vinyl chloride	103		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Bromomethane	107		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethanol	93		-		40-160	-		
Vinyl bromide	103		-		70-130	-		
Acetone	106		-		40-160	-		
Trichlorofluoromethane	105		-		70-130	-		
Isopropanol	96		-		40-160	-		
1,1-Dichloroethene	108		-		70-130	-		
Tertiary butyl Alcohol	96		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	116		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
Freon-113	108		-		70-130	-		
trans-1,2-Dichloroethene	105		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	107		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2434419

Report Date: 07/02/24

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: WG1939807-3								
Ethyl Acetate	112		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	104		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	103		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	109		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	109		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	109		-		70-130	-		
trans-1,3-Dichloropropene	112		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	124		-		70-130	-		
Dibromochloromethane	119		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2434419

Report Date: 07/02/24

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: WG1939807-3								
Tetrachloroethene	104		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	120		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	115		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Naphthalene	100		-		70-130	-		
Hexachlorobutadiene	108		-		70-130	-		

Project Name: Q2 2024 SSDS MONITORING
Project Number: 01304

Lab Number: L2434419
Report Date: 07/02/24

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(*)
L2434419-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2434419-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2434419-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2434419-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Q2 2024 SSDS MONITORING	**Lab Number:**	L2434419
Project Number:	01304	**Report Date:**	07/02/24

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:	Q2 2024 SSDS MONITORING	**Lab Number:**	L2434419
Project Number:	01304	**Report Date:**	07/02/24

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:	Q2 2024 SSDS MONITORING	**Lab Number:**	L2434419
Project Number:	01304	**Report Date:**	07/02/24

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

Mansfield Facility
SM 2540D: TSS.
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
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 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).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, 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

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 6/19/24

ALPHA Job #: L2434419

Client Information

Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Q2 2024 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: Please also email; mszustak@envadvantage.com labresults@envadvantage.com

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 Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
34419-01	Area A-Pre (061824)	6/18/24	9:45	9:45	-	-	SV	CS	5L	-	-	X						
02	Area A-Post (061824)	6/18/24	9:50	9:50	-	-	SV	CS	5L	-	-	X						

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

Container Type: tedlar

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Collin Smyth PACE	6/18/24 1405	PACE	6/18/24 1405
	6/18/24 1455		6/19/24 0050
Leslie	6/19/24 0500		6/19/24 0555
J. Mendoza ASL	6/19/24 0655		6/19/24 0650

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