<u>Environmental</u> Advantage

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

November 12, 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 (3rd 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 July 1 through September 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-6A², 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 &}quot;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 Startup 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 Q3 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 Q3 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) in September.

Post-carbon analytical data exhibited lower concentrations of all target chlorinated compounds when compared to pre-carbon concentrations, with the exception of methylene chloride, which is inconclusive due to sample dilution. **Please Note:** the reporting limit for methylene chloride was 4.12 ug/m³ for the pre-carbon sample, therefore it cannot be determined if the pre-carbon value of non-detect is higher than post-carbon concentration of 3.65 ug/m³ for this analyte. Overall target chlorinated VOC (cVOC)³ reduction of 99.1 percent. Air sample results for Q3 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 Q3 2024, manometer readings for all active VMPs achieved the minimum 0.002 inches WC in the sub-slab with the exception of VMP-5B in September. VMP-5BR, located approximately +/- 8' to the east of VMP-5B, achieved a minimum negative pressure of at least 0.002 inches WC in July and September.

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 Q3 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 July. 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 July 1, 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

The granular activated carbon was replaced from the carbon vessel in Area A on July 18, 2024. The spent carbon was placed in 55-gallon drums and is currently pending transport for regeneration. No other additional corrective actions occurred during the Q3 2024 monitoring period.

Conclusions and Scheduling

During the Q3 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-5B (redrilled) in September. 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 the quarterly monitoring period. The granular activated carbon was replaced from the carbon vessel in Area A on July 18, 2024. There are no additional corrective actions to report for the Q3 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 Q3 2024 exhibited lower concentrations of all target chlorinated compounds, with the exception of methylene chloride, which is inconclusive. A few non-chlorinated compounds exhibited higher concentrations post-carbon compared to pre-carbon; however, the removal efficiency of carbon is much reduced at lower influent concentrations, which is likely playing a role in many of the low-level increases occasionally observed at this Site. Overall target chlorinated VOC (cVOC) was 99.1 percent. Continued system inspections, monitoring, and sampling will be completed for the fourth 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.

Markedance

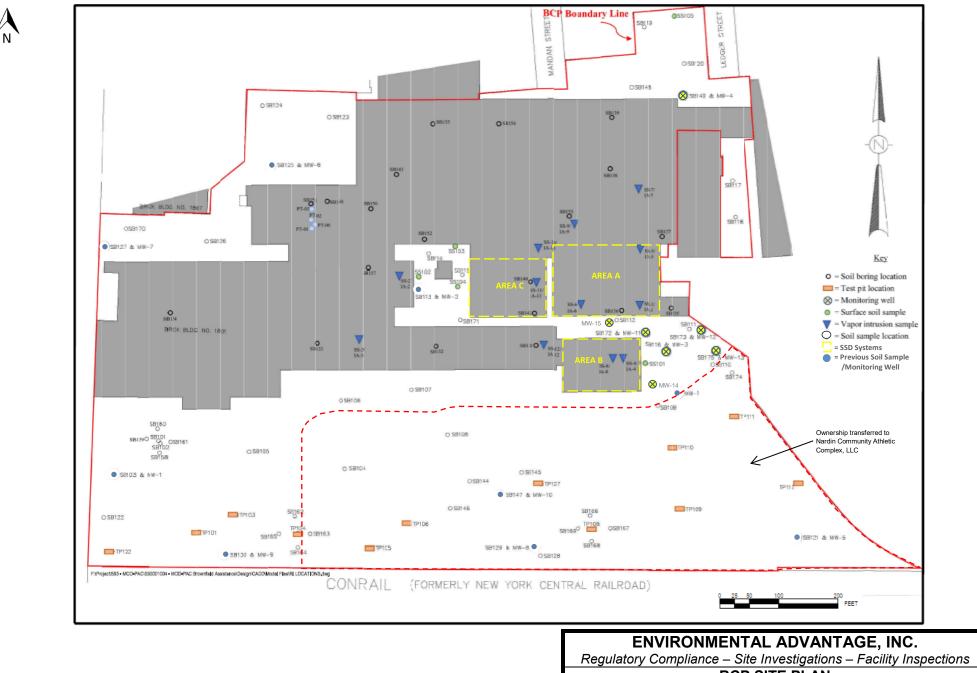
C. Mark Hanna, CHMM President



ATTACHMENT A

Figures



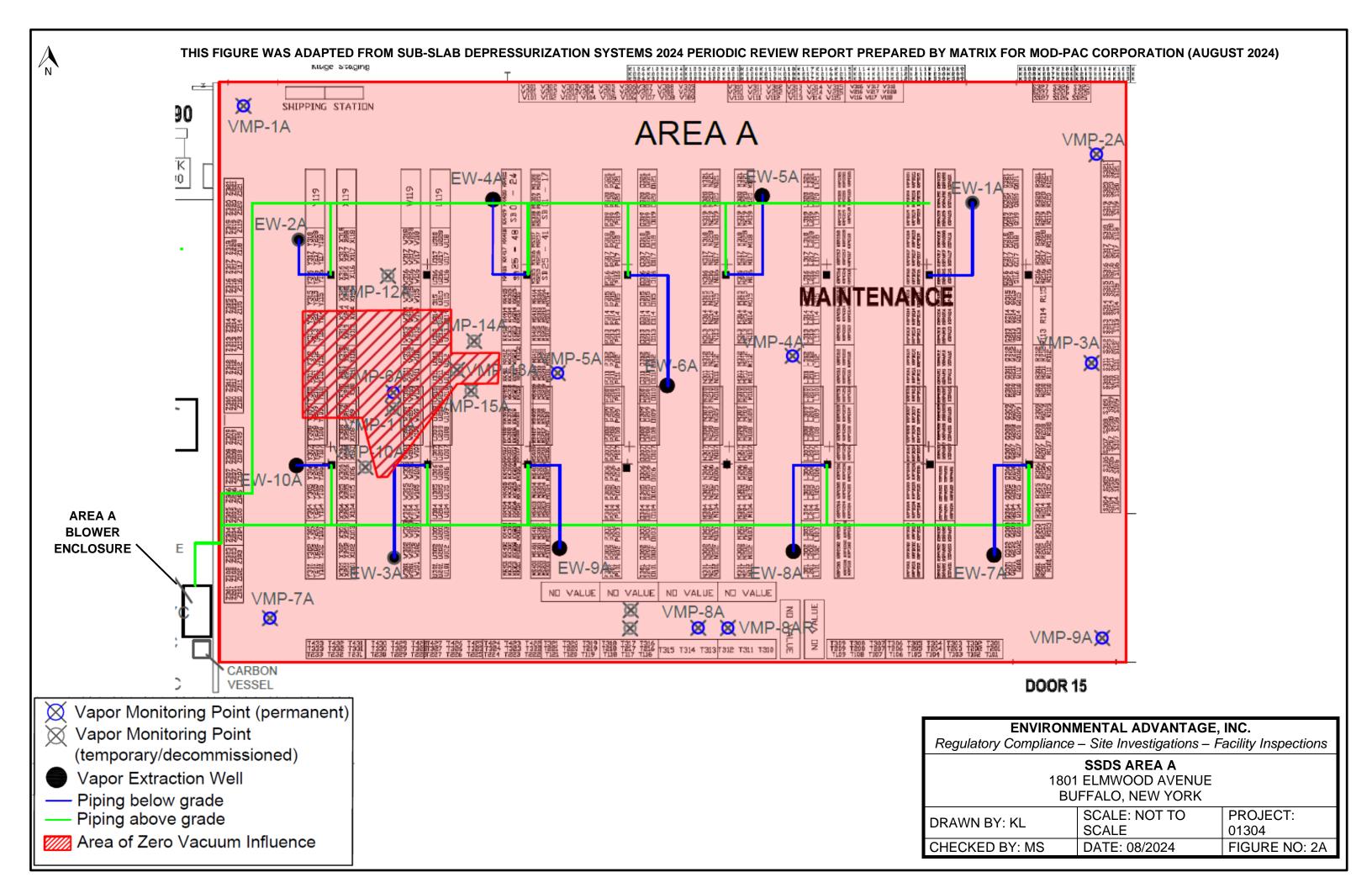


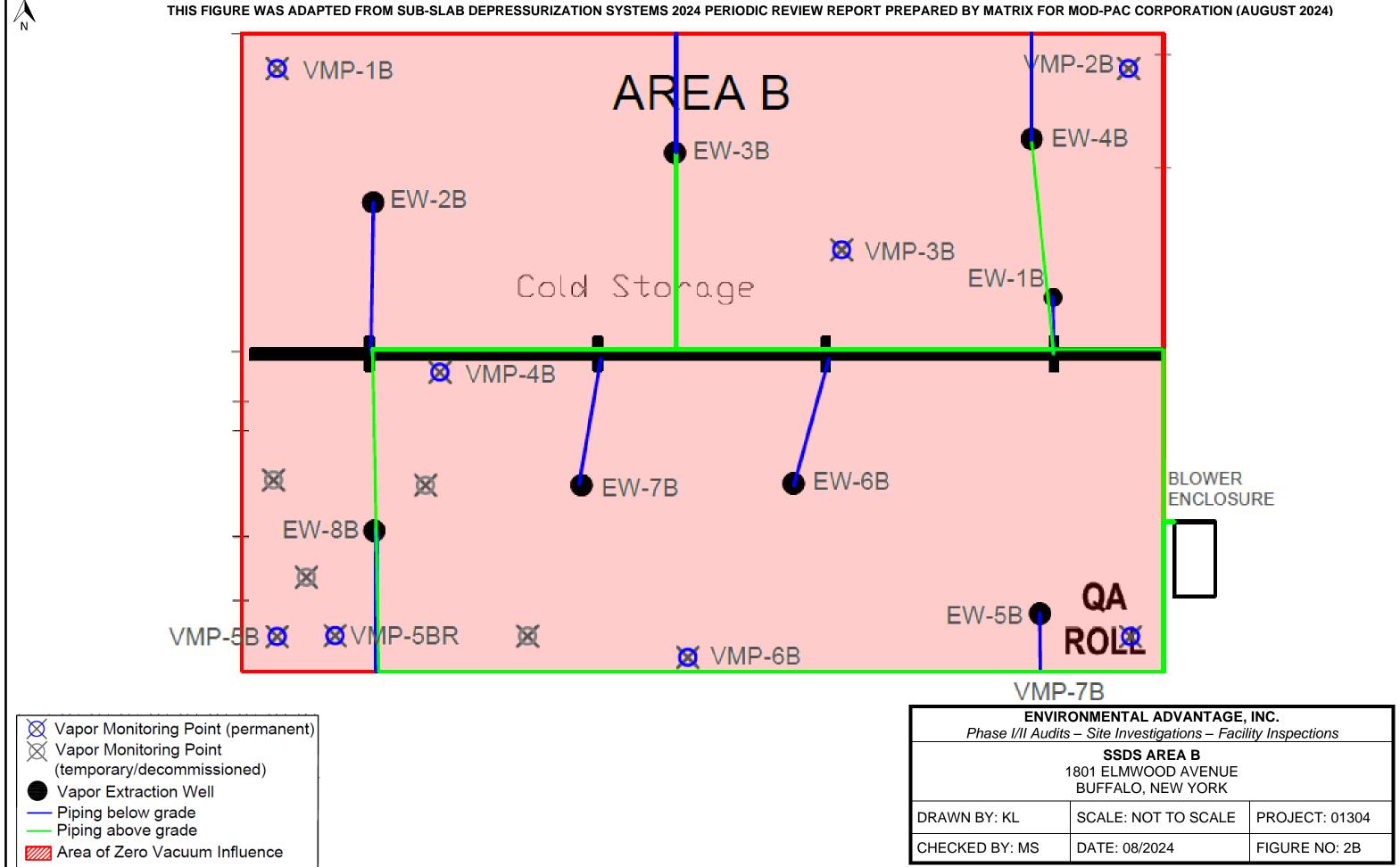
BCP SITE PLAN MOD-PAC, CORP.

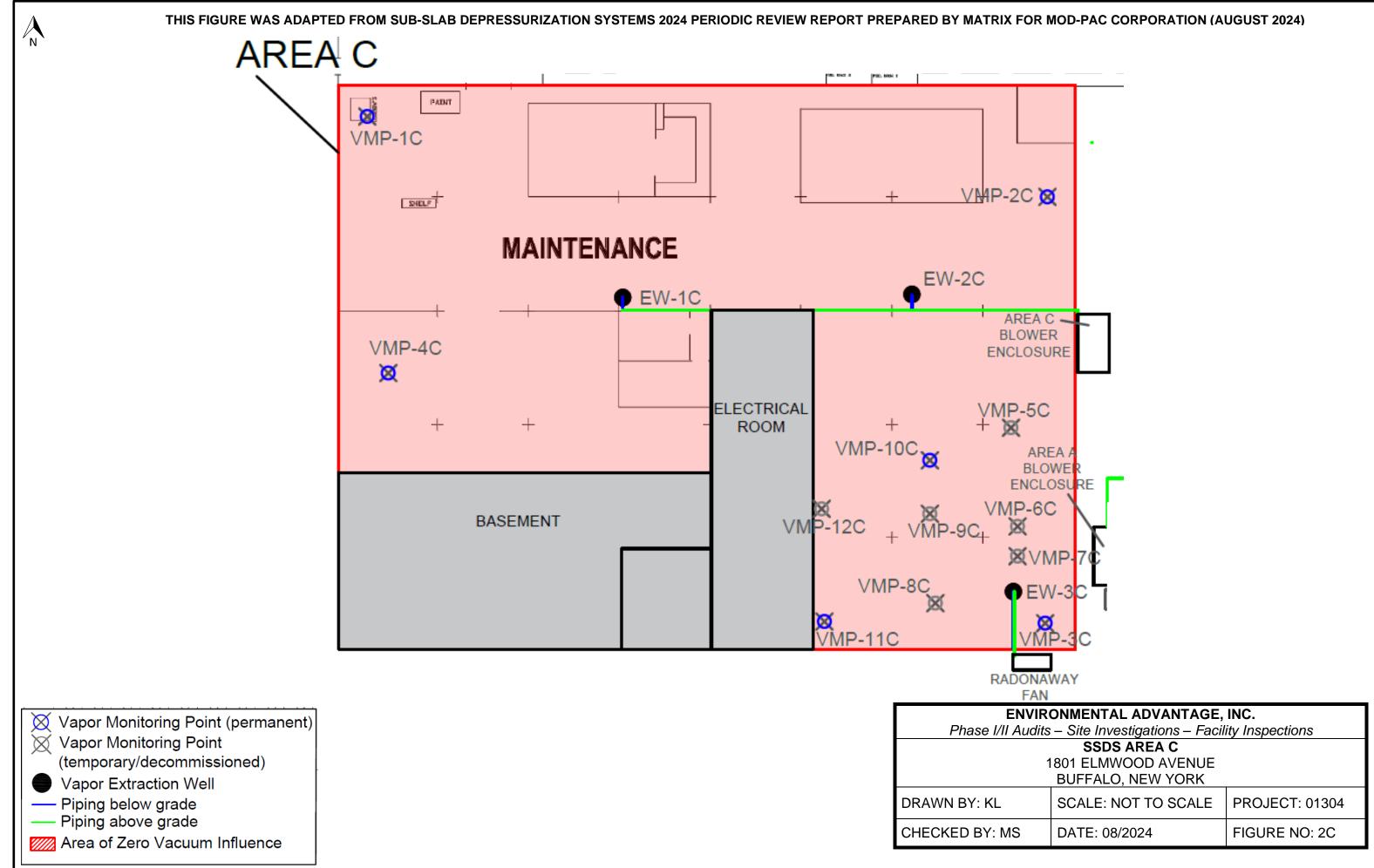
1801 ELMWOOD AVENUE

	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







ATTACHMENT B

Tables



Table 1 MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY SSDS Post Installation Monitoring Results September Q3 2024 Summary

Area A - Finished Product Storage Area

Date		Extraction Wells (in WC)								Blower	Pre-carbon PID	Post-carbon PID	
Date	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)
9/6/2024	18.0	19.0	19.0	19.0	18.0	0.0	18.0	20.0	19.0	19.0	21	1.3	0.2

Date		Vapor Monitoring Points (in WC)									
Date	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-8AR	VMP-9A	
9/6/2024	-0.116	-0.065	-0.093	-0.154	-0.065	+0.000	-0.059	-0.034	-0.046	-0.130	

Area B - Cold Storage Garage

Date			Blower	System Effluent PID						
Dale	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B	(in WC)	Reading (ppm)
9/6/2024	39.0	39.0	40.0	40.0	39.0	40.0	39.0	39.0	39.0	0.0

Date		Vapor Monitoring Points (in WC)									
Dale	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-5BR	VMP-6B	VMP-7B			
9/6/2024	-0.018	-0.052	-0.350	-0.373	+ 0.000	-0.029	-0.015	-0.297			

Area C - Maintenance Area

Date	Extract	tion Wells ((in WC)	System Effluent PID Reading (ppm			
Date	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C	
9/6/2024	42.0	45.0	30.0	0.7	0.8	0.3	

Date		Vapor Monitoring Points (in WC)									
Date	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C					
9/6/2024	-0.051	-0.094	-0.023	-0.073	-0.124	-0.047					

Note:

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

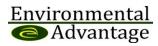


Table 2A MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY SSDS Post Installation Monitoring Results Area A - Finished Product Storage Area

| Date

 | EW 4 1 | EWO

 | EW 20
 | EWAA | xtraction V
EW-5A
 | Vells (in W | C) | EWIOA | EWIOC
 | EW 401 | Blower
(in WC) | Pre-carbon PID
Reading (ppm) | Post-carbon Pl |

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--|--|---
---|--|--|----------------------|---------------------------------|--------------------------|
| /26/2019

 | EW-1A
14.5 | EW-2A
14.5

 | EW-3A
15.5
 | EW-4A
14.5 | EW-5A
15
 | EW-6A | EW-7A
14.5 | EW-8A
15 | EW-9A
14.5
 | EW-10A
15.5 | (IN WC)
12 | Reading (ppm)
3.3 | Reading (ppm
1.5 |
| 0/3/2019

 | 14 | 14

 | 15
 | 14 | 14
 | 1 | 14 | 15 | 14
 | 15 | 12 | 52.6 | 12.7 |
|)/9/2019
1/5/2019

 | 13
11.5 | 13.5
12

 | 14
12.5
 | 13.5
11.5 | 13.5
12
 | 1 | 13.5
12 | 14
12 | 13.5
11.5
 | 14.5
12.5 | 13 | 0.0 4.7 | 0.0 |
| 2/3/2019

 | 11.5 | 11.5

 | 12.5
 | 11.5 | 11.5
 | 1 | 11.5 | 11.5 | 11.5
 | 12.5 | 10
10 | 4.7 | 0.5 |
| /22/2020

 | 40 | 40.5

 |
 | 40.5 |
 | | | | 40.5
 | 44.5 | | 0.2 | 0.0 |
| /11/2020
/27/2020

 | 10
10 | 10.5
10

 | 11
11
 | 10.5
10.5 | 11
11
 | 1 | 11
10.5 | 11
10.5 | 10.5
10
 | 11.5
11 | 9 8 | 0.5
47.8 | 0.0 27.1 |
| /29/2020

 | 13 | 13

 | 13.5
 | 13 | 13
 | 1 | 13 | 13 | 13
 | 13.5 | 14 | 0.4 | 0.4 |
| /31/2020
/28/2020

 | |

 |
 | |
 | | | |
 | | | 0.0 | 0.0 |
| /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 |
| 0/15/2020

 | |

 |
 | |
 | | | |
 | | | 7.8 | 4.6 |
| 2/8/2020

 | 12.5 | 13.0

 | 13.5
 | 13.0 | 13.0
 | 1.0 | 13.0 | 14.0 | 13.0
 | 14.0 | 12 | 0.0 | 0.0 |
| /4/2021

 | 12.0 | 10.0

 | 10.0
 | 10.0 | 10.0
 | 1.0 | 10.0 | 14.0 | 10.0
 | 14.0 | 12 | 0.4 | 0.0 |
| 2/18/2021

 | 12.0 | 14.0

 | 14.0
 | 14.0 | 14.0
 | 0.0 | 14.0 | 14.0 | 14.0
 | 15.0 | 12 | 1.0 | 0.0 |
| /14/2021

 | 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 |
| 5/20/2021

 | |

 |
 | |
 | | | |
 | | | 0.4 | 0.0 |
| 5/11/2021
7/1/2021

 | 16.0 | 16.0

 | 16.0
 | 16.0 | 16.0
 | 0.0 | 16.0 | 17.0 | 17.0
 | 17.0 | 15
16 | 0.1 | 0.0 |
| /25/2021

 | |

 |
 | |
 | | | |
 | | 18 | 0.0 | 0.0 |
| 0/8/2021
10/20/2021

 | 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 |
| 1/19/2021

 | |

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 | |
 | | | |
 | | | 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 |
| /11/2022

 | |

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 | |
 | | | |
 | | 19 | 0.0 | 0.0 |
| /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 |
| /21/2022

 | |

 |
 | |
 | | | |
 | | 19 | 0.0 | 0.0 |
| /16/2022

 | 16.0 | 17.0

 | 17.0
 | 16.0 | 17.0
 | 0.0 | 17.0 | 17.0 | 17.0
 | 17.0 | 18
19 | 0.0 | 0.0 |
| /28/2022

 | |

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 | |
 | | | |
 | | 19 | 1.4 | 0.0 |
| /26/2022

 | 18.0 | 18.0

 | 19.0
 | 18.0 | 18.0
 | 0.0 | 18.0 | 19.0 | 19.0
 | 19.0 | 19
18 | 0.5 | 0.0 |
| 0/13/2022

 | 18.0 | 18.0

 | 19.0
 | 18.0 | 18.0
 | 0.0 | 18.0 | 19.0 | 19.0
 | 19.0
19.0 | 18 | 0.2 | 0.0 |
| 1/7/2022

 | 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 |
| 2/9/2022
/31/2023

 | 18.0
16.0 | 18.0
17.0

 | 18.0
18.0
 | 18.0
17.0 | 18.0
17.0
 | 0.0 | 18.0
17.0 | 18.0
18.0 | 18.0
17.0
 | 18.0
18.0 | 19
18 | 0.0 | 0.0 |
| /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 |
| /10/2023

 | 18.0 | 18.0

 | 18.0
 | 18.0 | 18.0
 | 0.0 | 18.0 | 18.0 | 18.0
 | 18.0 | 19
20 | 0.0 | 0.0 |
| /6/2023
/17/2023

 | 1 |

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 | |
 | | | |
 | | 20 | 0.0 | 0.0 |
| /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 |
| /5/2023
/17/2023

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 | | | |
 | | 20
21 | 0.0 | 0.0 |
| /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 |
| 0/3/2023

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 | | 22 | 0.2 | 0.3 |
| 1/11/2023
2/12/2023

 | 17.0 | 18.0

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 | 19.0 | 20
20 | 0.1 | 0.0 |
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 | | 21 | 1.4 | 0.0 |
| 2/8/2024
3/12/2024

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 | 19.0
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 | 0.0 | 18.0 | 20.0 | 19.0
 | 19.0 | 21 | 1.1 0.3 | 0.0 |
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 | 17.0 | 10.0

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 | 19.0 | 21 | 0.6 | 0.0 |
| \$/15/2024

 | 18.0 | 19.0

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 | 19.0 | 18.0
 | 0.2 | | |
 | 20.0 | 23 | 0.1 | 0.0 |
|

 | 10.0 | 19.0

 | 20.0
 | 19.0 | 10.0
 | 0.2 | 19.0 | 20.0 | 19.0
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| 5/8/2024

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 | | 21 | 0.1 | 0.0 |
| 5/8/2024
6/13/2024
7/1/2024

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0/26/2019
10/3/2019

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VMP-9A
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VMP-2A
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/1/2024
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//3/2019
//5/2019
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2/3/2019

 | 17.0
18.0
VMP-1A
- 0.065
- 0.065
- 0.061
- 0.041
- 0.045 | 17.0
19.0
VMP-2A
- 0.044
- 0.037
- 0.034
- 0.029
- 0.025

 | 18.0
19.0
• 0.075
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• 0.023
• 0.031
 | 17.0
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 Note:

 1. Yelew 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 = highes value column; ppm - parts per million;

 4. NA = Nd Kresselbi, NG = Not Gauged



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

Date			E	xtraction V	Vells (in WO	C)			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 7/31/2020	16.0	12.0	17.0	12.5	17.0	17.0	16.0	15.5	16	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	0.0 2.7
10/15/2020	17.0	10.0	17.0	10.0	10.0	10.0	17.0	10.5	10	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	0.0
1/4/2021	10.5	17.0	17.0	17.0	17.0	17.0	10.5	10.0	15	0.4
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	10.0	11.0	11.0	11.0	11.0	17.0	10.0	10.0		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 9/22/2022									23	0.0
9/22/2022	28.0 31.0	29.0 32.0	30.0 33.0	30.0 33.0	29.0 32.0	30.0 34.0	29.0 32.0	28.0 32.0	26 20	2.6 0.8
11/7/2022	31.0	32.0	33.0	33.0	32.0	34.0	32.0	32.0	18	0.8
12/8/2022	32.0	33.0	34.0	34.0	33.0	34.0	33.0	32.0	10	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	02.0	02.0	02.0	02.0	02.0	02.0	02.0	02.0	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
7/1/2024									24.0	0.0
8/6/2024									38.0	2.7
9/6/2024	39.0	39.0	40.0	40.0	39.0	40.0	39.0	39.0	39.0	0.0

	T		Vapo	r Monitorin	a Points (i	n WC)		
Date	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	-0.014 NG	NG	NG	NG	-0.010	N/A	-0.010 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	-0.043	-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	-0.013	-0.158
2/21/2023	-0.10	-0.045	N/A	-0.299	+0.000	N/A	-0.012	-0.165
3/10/2023	-0.015	-0.030	-0.046	-0.266	+0.000	N/A	-0.014	-0.035
4/12/2023	-0.013 NG	=0.030 NG	*0.040 NG	=0.200 NG	+0.000	N/A	-0.013 NG	=0.033 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	*0.043 NG	NG	=0.330 NG	+ 0.000 NG	N/A	-0.017 NG	=0.207 NG
8/17/2023	NG	NG	NG	NG	-0.014	N/A	NG	NG
9/13/2023	-0.016	-0.062	-0.433	Covered	-0.014	N/A	-0.018	-0.284
10/3/2023	-0.010 NG	=0.002 NG	*0.433 NG	Covered	-0.011 NG	N/A	-0.018 NG	=0.264 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	-0.010 NG	=0.033 NG	•0.005 NG	=0.313 NG	-0.04	N/A	-0.018 NG	-0.237 NG
2/8/2024	NG	NG	NG	NG	-0.04 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	-0.001 NG	-0.008 NG	-0.012 NG	+ 0.000	N/A	-0.016	-0.009 NG
4/15/2024	-0.036	-0.101	-0.652	-0.864	+0.000	-0.058	-0.018	-0.695
5/8/2024	-0.036	-0.101 NG	-0.652 NG	-0.864 NG	+0.000	-0.058	-0.038 NG	-0.695 NG
6/13/2024	-0.012	-0.047	-0.293	-0.376	+ 0.000	-0.019	-0.020	-0.290
7/1/2024			-0.293 NG	-0.376 NG	-0.010	-0.026		
8/6/2024	NG NG	NG NG	NG	NG	-0.010 NG	-0.031 NG	NG NG	NG NG
		_						
9/6/2024	-0.018	-0.052	-0.350	-0.373	+0.000	-0.029	-0.015	-0.297

Environmental Advantage

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

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

Date		tion Wells (D Reading (ppm
9/26/2019	EW-1C 43.0	EW-2C 40.0	EW-3C	EW-1C 1.4	EW-2C 0.7	EW-3C
10/3/2019	44.0	45.0		1.4	4.5	
10/9/2019	44.5	45.5		0.0	0.0	
11/5/2019 12/3/2019	44.0	46.0 39.0	28.0	0.0	0.4	0.4
1/22/2020		00.0			0.4	0.0
2/11/2020	31.0	30.0 32.0	27.5	0.2	0.0	0.0
3/27/2020 6/29/2020	29.0 27.0	32.0	28.0 29.0	0.0	0.0	0.0
7/31/2020				0.0	0.0	0.0
8/28/2020 9/15/2020	28.5	31.0	29.0	0.0	0.0	0.0
10/15/2020	20.5	31.0	23.0	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
2/18/2021				0.0	0.0	0.0
3/30/2021		32.0	30.0		0.0	0.0
4/14/2021 5/20/2021				0.0	0.1	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 9/8/2021	29.0	31.0	30.0	0.0	0.0	0.0
10/20/2021	20.0	01.0	30.0	0.0	0.0	0.0
11/19/2021				0.0	0.0	0.0
12/10/2021 1/11/2022	30.0	32.0	30.0	4.7	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 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 9/22/2022	29.0	31.0	32.0	0.1	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 1/31/2023	30.0 0.0	30.0 0.0	30.0 30.0	0.0 NG	0.0 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 5/17/2023	NG NG	NG NG	28.0 27.0	NG NG	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 9/13/2023	NG 0.0	NG 0.0	29.0 29.0	NG 0.0	NG 0.0	0.3
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 1/12/2024	34.0 34.0	37.0 35.0	29.0 30.0	4.7	2.5	0.1
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 4/15/2024	44.0 43.0	46.0 45.0	30.0 30.0	0.4	0.0	0.0
5/8/2024	43.0	45.0	30.0	0.4	0.3	10.3
5/8/2024 6/13/2024	43.0 42.0	45.0 45.0	30.0 29.0	0.4 1.5	0.3 0.8	10.3 0.0
5/8/2024 6/13/2024 7/1/2024	43.0	45.0 45.0 45.0	30.0	0.4	0.3	10.3
5/8/2024 6/13/2024 7/1/2024 8/6/2024	43.0 42.0 44.0	45.0 45.0	30.0 29.0 30.0	0.4 1.5 0.1	0.3 0.8 0.0	10.3 0.0 0.4
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024	43.0 42.0 44.0 44.0	45.0 45.0 45.0 45.0 45.0	30.0 29.0 30.0 29.0 30.0	0.4 1.5 0.1 1.7 0.7	0.3 0.8 0.0 1.8 0.8	10.3 0.0 0.4 1.1
5/8/2024 6/13/2024 7/1/2024 8/6/2024	43.0 42.0 44.0 44.0	45.0 45.0 45.0 45.0 45.0	30.0 29.0 30.0 29.0 30.0 /apor Monito VMP-3C	0.4 1.5 0.1 1.7 0.7 ving Points (0.3 0.8 0.0 1.8 0.8	10.3 0.0 0.4 1.1
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 Date 9/26/2019	43.0 42.0 44.0 42.0 VMP-1C - 0.046	45.0 45.0 45.0 45.0 VMP-2C - 0.085	30.0 29.0 30.0 29.0 30.0 7apor Monito VMP-3C + 0.000	0.4 1.5 0.1 1.7 0.7 ving Points (VMP-4C - 0.061	0.3 0.8 0.0 1.8 0.8	10.3 0.0 0.4 1.1 0.3
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 Date 9/26/2019 10/3/2019	43.0 42.0 44.0 42.0 VMP-1C - 0.046 - 0.055	45.0 45.0 45.0 45.0 VMP-2C - 0.085 - 0.092	30.0 29.0 30.0 29.0 30.0 /apor Monito VMP-3C + 0.000 + 0.000	0.4 1.5 0.1 1.7 0.7 ving Points (VMP-4C - 0.061 - 0.081	0.3 0.8 0.0 1.8 0.8	10.3 0.0 0.4 1.1 0.3
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/9/2019	43.0 42.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042	45.0 45.0 45.0 45.0 45.0 VMP-2C - 0.085 - 0.092 - 0.075 - 0.067	30.0 29.0 30.0 29.0 30.0 /apor Monito VMP-3C + 0.000 + 0.000 + 0.000	0.4 1.5 0.1 1.7 0.7 ving Points (vmP-4C - 0.061 - 0.081 - 0.060 - 0.067	0.3 0.8 0.0 1.8 0.8 VMP-10C	10.3 0.0 0.4 1.1 0.3 VMP-11C
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 Date 9/26/2019 10/3/2019 10/3/2019 11/5/2019 11/5/2019	43.0 42.0 44.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000	45.0 45.0 45.0 45.0 45.0 VMP-2C - 0.085 - 0.092 - 0.075 - 0.067 - 0.027	30.0 29.0 30.0 29.0 30.0 /apor Monito VMP-3C + 0.000 + 0.000 + 0.000 - 0.026	0.4 1.5 0.1 1.7 0.7 vmP-4C - 0.061 - 0.081 - 0.060 - 0.067 + 0.004	0.3 0.8 0.0 1.8 0.8 VMP-10C - 0.045	10.3 0.0 0.4 1.1 0.3 VMP-11C
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 11/5/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019	43.0 42.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042	45.0 45.0 45.0 45.0 VMP-2C - 0.085 - 0.092 - 0.075 - 0.067 - 0.027 - 0.026	30.0 29.0 30.0 29.0 30.0 /apor Monito VMP-3C + 0.000 + 0.000 + 0.000 - 0.026 - 0.032	0.4 1.5 0.1 1.7 0.7 vmP-4C vMP-4C vmP-4	0.3 0.8 0.0 1.8 0.8 in WC) VMP-10C - 0.045 - 0.045	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020
5/8/2024 6/13/2024 7/12/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 10/3/2019 11/5/2019 12/3/2019 12/3/2019 2/11/2020 3/27/2020	43.0 44.0 44.0 42.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000 - 0.019 - 0.019	45.0 45.0 45.0 45.0 • 0.085 • 0.092 • 0.075 • 0.067 • 0.027 • 0.026 • 0.033 • 0.050	30.0 29.0 30.0 29.0 30.0 29.0 30.0 apor Monito vmP-3C + 0.000 + 0.000 + 0.000 - 0.026 - 0.032 - 0.038 - 0.040	0.4 1.5 0.1 1.7 0.7 ring Points (VMP-4C - 0.061 - 0.061 - 0.060 - 0.067 + 0.004 - 0.038 - 0.029 - 0.018	0.3 0.8 0.0 1.8 0.8 VMP-10C - 0.045 - 0.045 - 0.045 - 0.060 - 0.061	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.024
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 10/3/2019 11/5/2019 11/5/2019 12/3/2019 22/11/2020 3/27/2020 6/29/2020 9/15/2020	43.0 44.0 44.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000 - 0.019 - 0.019 - 0.012	45.0 45.0 45.0 45.0 • 0.085 • 0.092 • 0.075 • 0.067 • 0.027 • 0.026 • 0.033 • 0.050 • 0.040	30.0 29.0 30.0 29.0 30.0 29.0 30.0 29.0 10.0 10.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 - 0.026 - 0.032 - 0.040 - 0.038	0.4 1.5 0.1 1.7 0.7 VMP-4C - 0.061 - 0.081 - 0.067 - 0.067 - 0.038 - 0.067 - 0.038 - 0.029 - 0.018 - 0.029	0.3 0.8 0.0 1.8 0.8 VMP-10C - 0.045 - 0.045 - 0.045 - 0.061 - 0.039	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.017
5/8/2024 6/13/2024 7/12/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 10/3/2019 11/5/2019 12/3/2019 12/3/2019 2/11/2020 3/27/2020	43.0 44.0 44.0 42.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000 - 0.019 - 0.019	45.0 45.0 45.0 45.0 VMP-2C - 0.085 - 0.092 - 0.075 - 0.067 - 0.026 - 0.033 - 0.050 - 0.040 - 0.038	30.0 29.0 30.0 29.0 30.0 apor Monito VMP-3C + 0.000 + 0.000 + 0.000 - 0.026 - 0.032 - 0.038 - 0.040 - 0.028	0.4 1.5 0.1 1.7 0.7 VMP-4C VMP-4C 0.061 - 0.061 - 0.067 + 0.004 - 0.038 - 0.029 - 0.024 - 0.021	0.3 0.8 0.0 1.8 0.8 VMP-10C VMP-10C - 0.045 - 0.045 - 0.045 - 0.060 - 0.039 - 0.038	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.017 -0.016
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2019 10/3/2019 10/3/2019 10/3/2019 11/5/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2020 12/8/8/2020 12/8/8/2020 12/8/8/8/8 12/8/8/8 12/	43.0 42.0 44.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000 - 0.019 - 0.019 - 0.012 - 0.012 - 0.012 - 0.020	45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0	30.0 29.0 40.0 20.0 40.0000 40.0000 40.0000 40.0000 40.0000 40.00000 40.0000 40.0000 40.0000 40.0000 40.0000 40.0000 40.00	0.4 1.5 0.1 1.7 0.7 VMP4C - 0.061 - 0.081 - 0.081 - 0.060 - 0.067 + 0.004 - 0.029 - 0.018 - 0.029 - 0.029 - 0.018 - 0.021 + 0.000 - 0.021 + 0.000 - 0.021 - 0.0	0.3 0.8 0.0 1.8 0.8 in WC) VMP-10C VMP-10C - 0.045 - 0.045 - 0.045 - 0.045 - 0.061 - 0.038 - 0.025 - 0.025	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.017 -0.016 -0.020 -0.021 -0.049
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 11/5/2019 12/3/2019 21/11/2020 3/27/2020 9/15/2020 12/3/2021 1/3/2021	43.0 42.0 44.0 44.0 44.0 42.0 VMP-1C -0.046 -0.045 -0.055 -0.037 -0.042 +0.000 -0.019 -0.019 -0.019 -0.012 -0.012 +0.000 -0.042 +0.000	45.0 45.0 45.0 45.0 45.0 45.0 0.085 -0.085 -0.085 -0.087 -0.087 -0.026 -0.026 -0.026 -0.023 -0.050 -0.040 -0.040 -0.042 -0.054 -0.054	30.0 29.0 30.0 29.0 30.0 29.0 30.0 29.0 30.0 29.0 30.0 40.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 - 0.032 - 0.032 - 0.038 - 0.037 - 0.039 - 0.049 - 0.039 - 0.049 - 0.039 - 0.049 - 0.049 0.049 - 0.049 - 0.049	0.4 1.5 0.1 1.7 vmP+4C vm	0.3 0.8 0.0 1.8 0.0 1.8 0.0 1.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.016 -0.029 -0.029 -0.021
5/8/2024 6/13/2024 7/11/2024 8/6/2024 9/6/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2020 3/3/2/2020 12/8/2021 12/8/2020 12/8/2021 12/8/2020 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/2021 12/8/8/2021 12/8/8/2021 12/8/8/8/8/8 12/8/8/8 12/8/8/8 12/8/8/8 12/8 12/8/8 12/8/8 12/8 12/8 12/8 12/8	43.0 42.0 44.0 44.0 42.0 VMP-1C - 0.046 - 0.055 - 0.037 - 0.042 + 0.000 - 0.019 - 0.019 - 0.012 - 0.012 - 0.012 - 0.020	45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0	30.0 29.0 40.0 20.0 40.0000 40.0000 40.0000 40.0000 40.0000 40.00000 40.0000 40.0000 40.0000 40.0000 40.0000 40.0000 40.00	0.4 1.5 0.1 1.7 0.7 VMP4C - 0.061 - 0.081 - 0.081 - 0.060 - 0.067 + 0.004 - 0.029 - 0.018 - 0.029 - 0.029 - 0.018 - 0.021 + 0.000 - 0.021 + 0.000 - 0.021 - 0.0	0.3 0.8 0.0 1.8 0.8 in WC) VMP-10C VMP-10C - 0.045 - 0.045 - 0.045 - 0.045 - 0.061 - 0.038 - 0.025 - 0.025	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.016 -0.020 -0.016 -0.020 -0.016 -0.020 -0.018
5/8/2024 6/13/2024 7/1/2024 8/6/2024 9/6/2024 9/26/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 10/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2019 12/3/2020 3/27/2020 3/27/2020 3/3/0/2021 12/1/0/2021 12/1/0/2021 12/1/0/2021 12/1/0/2021 12/1/0/2021 12/1/0/2021 12/1/0/2021 12/2/0/22	43.0 42.0 44.0 44.0 44.0 44.0 0.05 0.05 0.037 -0.042 +0.000 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.019 -0.020 -0.020 -0.022 -0.02	45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0	30.0 29.0 30.0 29.0 30.0 apor Monito to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to to	0.4 1.5 0.1 1.7 0.7 1.7 0.7 1.7 0.7 0.7 0.7 0.061 -0.061 -0.081 -0.081 -0.083 -0.089 -0.029 -0.018 -0.021 -0.021 -0.021 -0.012 -0.021	0.3 0.8 0.0 0.0 1.8 0.8 0.8 0.8 0.8 0.8 0.8 0.0 0.045 -0.045 -0.045 -0.045 -0.061 -0.061 -0.038 -0.028 -0.028 -0.028 -0.028 -0.028 -0.028 -0.028 -0.028 -0.028 -0.028 -0.045 -0.028 -0.028 -0.045 -0.028 -0.045 -0.028 -0.045 -0.028 -0.045 -0.028 -0.045 -0.045 -0.028 -0.045 -0.045 -0.028 -0.045 -0.028 -0.045 -0.028 -0.045 -0.028 -0.028 -0.045 -0.028 -0.028 -0.045 -0.028 -0.0	10.3 0.0 0.4 1.1 0.3 VMP-11C -0.018 -0.020 -0.021 -0.044 -0.017 -0.020 -0.021 -0.022 -0.022 -0.022 -0.025 -0.019 -0.022
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- 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.



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

	September 20)24 - L2453073
Parameter	AREA A-PRE (091624)	AREA A-POST (091624)
Volatile Organic Compounds (ug/m ³)		
1,1,1-Trichloroethane	ND ND	ND ND
1,1,2,2-Tetrachloroethane 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	16.4	14.4
1,2-Dibromoethane 1,2-Dichlorobenzene	ND ND	ND ND
1,2-Dichloroethane	ND	ND
1,2-Dichloropropane	ND	ND
1,3,5-Trimethylbenzene	4.23	3.6
1,3-Butadiene	ND	ND
1,3-Dichlorobenzene	ND	ND
1,4-Dichlorobenzene 1,4-Dioxane	ND ND	ND ND
2,2,4-Trimethylpentane	2.52	1.61
2-Butanone	4.36	ND
2-Hexanone	ND	ND
3-Chloropropene	ND	ND
4-Ethyltoluene	8.7	2.93
4-Methyl-2-pentanone	8.24	6.48
Acetone Benzene	195 2.18	32.5 3.51
Benzyl chloride	ND	ND
Bromodichloromethane	ND	ND
Bromoform	ND	ND
Bromomethane	ND	ND
Carbon disulfide	3.67	10.3
Carbon tetrachloride Chlorobenzene	ND ND	ND ND
Chloroethane	ND	ND
Chloroform	2.51	ND
Chloromethane	ND	0.968
cis-1,2-Dichloroethene	4.28	ND
cis-1,3-Dichloropropene	ND	ND
Cyclohexane Dibromochloromethane	6.13 ND	1.03 ND
Dichlorodifluoromethane	2.36	2.32
Ethyl Alcohol	59.7	62.7
Ethyl Acetate	ND	ND
Ethylbenzene	9.69	10.5
Freon-113	ND	ND
Freon-114 Heptane	ND 11.4	ND 2.75
Heptane Hexachlorobutadiene	11.4 ND	2.75 ND
iso-Propyl Alcohol	1120	229
Methyl tert butyl ether	ND	ND
Methylene chloride	ND	3.65
n-Hexane	26	13.2
Naphthalene	ND	ND
o-Xylene p/m-Xylene	14.4 43.9	16.4 51.3
Styrene	ND	ND
tert-Butyl Alcohol	10.9	ND
Tetrachloroethene	ND	ND
Tetrahydrofuran	ND	ND
Toluene	22	23.7
trans-1,2-Dichloroethene	ND ND	ND ND
trans-1,3-Dichloropropene Trichloroethene	400	ND
Trichlorofluoromethane	5.61	3.64
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/m³ 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



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

	Octobe	er 2019 - L [.]	1946093	Novem	ber 2019 - L	1952487	Decemb	er 2019 - L	1957660	Februa	ry 2020 - L2	2006152	June 2020 -	L2027736	Septemb L203		120	December 202 L2054640	20 -	March L211		June 2021	- L2131935		per 2021 - 18116	Decemb		March L2212	
Parameter	AREA A -	AREA A-		AREA A-	AREA A-	AREA-B	AREA A-	AREA A-	AREA B	AREA A-	AREA A-	AREA B	AREA A-	AREA A-	AREA A-	AREA A-		AREA A- ARE		AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-		AREA A-
Parameter	PRE	POST	AREA B	PRE (110519)	POST (110519)	(110519)	PRE (120319)	POST (120319)	(120319)	PRE (021120)	POST (021120)	(120319)	PRE (063020)	POST (063020)	PRE (091520)	POST (091520)	Š.		DST 0820)	PRE (033021)	POST (033021)	PRE (061121)	POST (061121)	PRE (090821)	POST (090821)	PRE (121021)	POST (121021)	PRE (031022)	POST (031022)
Volatile Organics in Air (ug/m ³)		ND	1 10		1.10	ND		NB						ND		ND			10	ND	10	ND						10	
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1.11 ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND				ND ND	ND ND	ND 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 N	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
1,1-Dichloroethene 1,2,4-Trichlorobenzene	94.8 ND	ND ND	4.52 ND	35.5 ND	ND ND	ND ND	41.6 ND	5.55 ND	0.979 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND				ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	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			3.7	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
1,2-Dichlorobenzene 1,2-Dichloroethane	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	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
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			.44	12.4	9.54	14.2	11.2	10.2	13.6	21.3	17.2	2.36	1.43
1,3-Butadiene 1,3-Dichlorobenzene	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND			ND ND	ND ND	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
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
2,2,4-Trimethylpentane 2-Butanone	ND 9.88	ND ND	ND 3.07	ND 4.13	ND ND	ND ND	ND 5.28	ND ND	ND ND	ND 4 04	0.976	2.98 ND	ND 6.25	ND 2.45	3.13 ND	ND ND	-			ND 2.98	ND ND	3.14 3.89	ND ND	ND 2.53	1.37 ND	1.37	ND 1.68	ND 1.8	ND ND
2-Butanone 2-Hexanone	9.88 ND	ND ND	3.07 ND	4.13 ND	ND ND	ND ND	5.28 ND	ND	ND ND	4.04 ND	ND ND	ND ND	6.25 ND	2.45 ND	ND ND	ND ND			ND ND	2.98 ND	ND	3.89 ND	ND ND	2.53 ND	ND ND	2.78 ND	1.68 ND	1.8 ND	ND ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene 4-Methyl-2-pentanone	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14.5 ND	9.49 ND	21.8 ND	4.22 ND	3.87 ND	12.4 ND	10.9 ND	-		.79 ND	6.1 9.71	4.46 ND	10.7 4.47	8.26 ND	6 ND	8.26 3.53	30 ND	21.6 ND	ND ND	ND ND
4-Metnyl-2-pentanone Acetone	ND 59.4	ND 10.5	ND 22.7	ND 49.9	ND	69.8	ND 75.5	4.44	ND 13.3	ND 87.4	ND ND	ND 53.4	ND 100	10.6	ND 26.6	9.95			2.3	9.71	ND 12.5	4.47	ND 20.7	ND 38.2	3.53	108	ND 29.2	ND 134	ND 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			.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
Bromodichloromethane Bromoform	ND ND	ND ND	ND ND	9.71 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND			ND ND	ND ND	ND ND	ND 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 N	٧D	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			931	2.42	0.944	7.41	2.68	3.83	12.5	4.61	2.56	1.3	0.956
Carbon tetrachloride Chlorobenzene	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	1.26 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND				ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	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			.35	38.4	12.6	46.7	59.6	31.5	42.7	26.2	1.2	40.5	0.986
Chloromethane cis-1,2-Dichloroethene	0.591	0.745 ND	ND ND	ND 33.5	ND ND	ND ND	ND 41.6	0.603 5.55	0.785	ND 22.5	0.446 12.5	1.21 ND	ND 26.1	0.77	ND 19.2	0.438	ы́		630 ND	0.648	0.766	ND 11.7	0.558	ND 10.1	0.564	0.605	0.465 ND	0.62 3.26	1.01 ND
cis-1,3-Dichloropropene	ND	ND	ND	33.5 ND	ND	ND	41.0 ND	0.00 ND	0.979 ND	ND	ND	ND	20.1 ND	ND	ND	ND	AN		ND	ND	ND	ND	ND	ND	ND		ND	3.20 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	ъ.		ND	1.41	ND	2.42	ND	ND	1.29	ප් <u>1.61</u>	ND	ND	ND
Dibromochloromethane Dichlorodifluoromethane	ND 1.99	ND 1.78	ND 1.98	ND 2.13	ND ND	ND ND	ND ND	ND 2.1	ND 2.93	ND ND	ND 1.47	ND 1.99	ND ND	ND 2.15	ND ND	ND 1.61	NO -		.38	ND 1.95	ND 2.04	ND 2.06	ND 1.87	ND 2.64	ND 2.14	ND 2.1	ND ND	ND 2.35	ND 2.39
Ethyl Alcohol	14.3	23.4	1.56	22.2	ND	61.6	43.5	34.5	10.3	63.7	40.9	30.1	143	112	106	81.8	ARE		7.1	71.6	86.7	87.8	61.6	49.7	64.1	2.1 79	23.2	129	ND
Ethyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND N	ND	3.27	3.13	4.4	4.14	ND	ND	ວ <u>3.41</u>	2.5	ND	ND
Ethylbenzene	1.58 ND	ND ND	0.973 ND	2.32 ND	ND ND	ND ND	3.54 ND	ND ND	ND ND	37.6 ND	20 ND	60.4 ND	6.65 ND	5.13 ND	17.9 ND	13.6 ND			.08 ND	15.9 ND	6.91 ND	19.1 ND	11.5 ND	9.64 ND	16.8 ND	7.12 ND	4.17 ND	3.61 ND	ND ND
Freon-113 Freon-114	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND			ND ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND
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			ND	7.38	0.836	6.64	1.94	1.98	3.74	7.09	ND	13.2	ND
Hexachlorobutadiene iso-Propyl Alcohol	ND 44	ND	ND 28	ND 103	ND ND	ND 742	ND 275	ND 1.96	ND 7.03	ND 157	ND 9.44	ND 44.2	ND 191	ND 472	ND 83.8	ND 34.4			1D 2.9	ND 253	ND 164	ND 95.9	ND 533	ND 38.8	ND 95.9	ND	ND 16.1	ND 283	ND 3.22
Methyl tert butyl ether	ND	40.2 ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	9.44 ND	44.2 ND	ND	ND	ND	34.4 ND			2.9 ND	ND ND	ND	93.9 ND	ND	38.8 ND	93.9 ND	256 ND	ND	203 ND	3.22 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 M	ND	ND	1.79	ND	ND	6.62	ND	ND	ND	1.75	ND
Naphthalene n-Hexane	NA 6.06	NA 5.08	NA 1.72	NA 5.22	NA 1.89	NA 3.98	NA 28.2	NA 1.2	NA 1.54	NA 20.7	NA 0.948	NA 6.1	NA 12.2	NA 2.59	NA 29.3	NA 3.67	-		NA .31	NA 33.7	NA 5.15	NA 73.7	NA 14.9	NA 4.12	NA 61.3	NA 17.9	NA 2.07	NA 7.68	NA ND
n-Hexane o-Xylene	6.06	5.08 ND	1.72	2.35	1.89 ND	3.98	28.2	1.2 ND	1.54 ND	46.5	26.9	6.1	12.2	2.59	29.3 33.1	3.67 26.6			0.5	33.7 28.9	5.15	30.9	14.9	4.12 20.1	61.3 31.3	17.9	2.07	7.68	ND 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 2	5.4	71.2	33.9	89	57.8	48.6	79.1	33.2	19.8	13.9	4.6
Styrene tert-Butyl Alcohol	ND ND	ND ND	ND ND	ND 3.64	ND ND	ND 5.67	ND 7.31	ND ND	ND ND	2.78	ND ND	0.873	3.17 11.9	ND ND	ND ND	0.856 ND			ND ND	ND 5.15	ND ND	1.9 3.58	1.14 ND	1.29 2.26	1.23 8.94	ND 11	ND 1.73	ND 13.5	ND ND
Tetrachloroethene	2.12	ND	ND 77.3	3.64 ND	ND	31.4	7.31 ND	1.97	ND 12.4	7.64 ND	ND	1.7	5.78	5.8	4.95	2.3			ND ND	5.15 4.12	ND	2.63	ND	2.26	8.94 ND	11 ND	1.73 ND	13.5	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 trans 1.2 Disblorasthone	1.89 6.03	ND ND	1.55 ND	6.1 2	ND ND	8.55 ND	12.7 ND	ND ND	2.07 ND	131 ND	66.3 3.33	168 ND	23.2 ND	15.8 2.67	65.6 ND	45.2			1.5 ND	39.2 ND	20.1	93.5 ND	52 1.72	36.6 ND	62.2 0.841	37.7 ND	20.4 ND	14.5 ND	2.81 ND
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	6.03 ND	ND ND	ND	2 ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	3.33 ND	ND ND	ND ND	2.67 ND	ND ND	1.12 ND	-		ND ND	ND ND	1.03 ND	ND ND	1.72 ND	ND ND	0.841 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 1	9.3	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			.51	1.69	1.79	3.53	3.47	6.07	4.08	1.78	ND	1.4	ND
Vinyl bromide Vinyl chloride	ND ND	ND ND	ND ND	1.78	ND ND	2.55	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND				ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Total Target cVOCs	2,826.04		ND	1,051.72		1.49 NC	1,113.20	20.00	NC	678.50	23.30	NC	1,014.88	86.00	760.15				9.30	393.32	35.09	483.33		578.00		262.87		230.76	7.95
Percent Decrease of CVOCs Pre to Post Carbon (%)	-99	9.53	NC	-9	9.48	NC	-98	.20	NC	-96	6.57	NC	-91	.53	-79	.35		-96.32		-91	.08	-87	7.92	-97	7.41	-93	3.91	-96.	.55
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	N	IA	NC	-6	2.78	NC	-60	.61	NC	-75	5.99	NC	-64	.09	-73	.10		-81.43		-86	.08	-82	2.90	-79	9.55	-90	0.70	-91.	.83

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/m² 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). NYSDDH 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-Dichloroethane, Carbon tetrachloride, cis-1,2-Dichloroethane, Methylene chloride, Tetrachloroethane, Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically, 1,1,1-Trichloroethane, Carbon tetrachloride, cis-1,2-Dichloroethane, Methylene chloride, Tetrachloroethane, Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically, 1,1,1-Trichloroethane, Carbon tetrachloride, cis-1,2-Dichloroethane, Methylene chloride, Tetrachloroethane, Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically, 1,1,1-Trichloroethane, Carbon tetrachloride, cis-1,2-Dichloroethane, cis-1 3. Parameters is taked in the finducer analysis to concern (raise CVCCs). IN 5000 raise CVCCs are included in this calculation, specifically under intervision raise of the VTSCON raise of Vapor intersol in the Vapor intersol raise of the VTSCON raise of Vapor intersol raise of the Vapor intersol raise of the Vapor intersol raise of Vapor intersol raise



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

	June 2022	- L2229574	Septem		2	Decemb			2023 -	June 2023	- L2335506		oer 2023 -		er 2023 -		2024 -		2024 -	4	Septembe	
			L225		202	L226		L231					53358		3355		3550		34419	202	L2453	
	AREA A-	AREA A-	AREA A-	AREA A-	/60	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	AREA A-	18/	AREA A-	AREA A-
Parameter	PRE	POST	PRE	POST	12/	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST	120	PRE	POST
	(060622)	(060622)	(092222)	(092222)		(120922)	(120922)	(030823)	(030823)	(062023)	(062023)	(091323)	(091323)	(121223)	(121223)	(031224)	(031224)	(061824)	(061824)		(091624)	(091624)
								olatile Orga	nics in Air (_		
1,1,1-Trichloroethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
1,1,2,2-Tetrachloroethane	ND ND	ND ND	ND ND	ND ND		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND	4 F	ND ND	ND ND
1,1,2-Trichloroethane 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	1 F	ND	ND
1.1-Dichloroethene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	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 -	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	16.4	14.4
1,2-Dibromoethane	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	4 1	ND	ND
1,2-Dichloroethane	ND ND	0.999	ND ND	ND ND		ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	4 -	ND	ND ND
1,2-Dichloropropane 1,3,5-Trimethylbenzene	ND ND	ND 2.7	ND 1.33	1.23		ND ND	ND 1.55	ND	ND ND	ND 1.7	ND 1.24	ND 1.15	ND ND	ND 1.59	ND ND	ND 4.48	ND 1.26	ND 2.79	ND 5.9	4 F	ND 4.23	3.6
1.3-Butadiene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.40 ND	ND	ND	ND	1 -	4.23 ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 1	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 1	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
2,2,4-Trimethylpentane	ND	ND	1.22	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.31	ND	ND	ND	1	2.52	1.61
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	1	4.36	ND
2-Hexanone	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
3-Chloropropene	ND	ND 1.85	ND ND	ND	-	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND 0.000	ND	ND	ND	ND	ND	ł	ND 07	ND
4-Ethyltoluene 4-Methyl-2-pentanone	ND ND	1.85 ND	ND ND	ND 3.43	-	ND ND	ND ND	ND ND	ND ND	1.23	ND ND	ND 5.49	ND ND	0.998 ND	ND ND	2.82 ND	ND ND	2.19 15.9	6.19 24.8	l ŀ	8.7 8.24	2.93 6.48
4-ivietnyi-2-pentanone Acetone	668	58.7	69.6	33.5	-	196	17.3	466	23.6	112	19.1	5.49 62.5	15.9	80.8	18.3	236	37.8	15.9 143	130	1 F	8.24	32.5
Benzene	ND	1.53	1.56	ND	H	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		2.18	3.51
Benzyl chloride	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Bromodichloromethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Bromoform	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 [ND	ND
Bromomethane	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 1	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	4	3.67	10.3
Carbon tetrachloride	ND	ND	ND 0.953	ND		ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND ND	ND	4 -	ND	ND ND
Chlorobenzene Chloroethane	ND ND	ND ND	0.953 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 F	ND ND	ND
Chloroform	21.6	1.67	14	31.3	5	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	5	2.51	ND
Chloromethane	ND	0.812	0.849	0.518	Di la	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	<u></u>	ND	0.968
cis-1,2-Dichloroethene	ND	0.999	5.27	6.03	19N	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	NG.	4.28	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	1A1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Į	ND	ND
Cyclohexane	ND	ND	0.981	ND	흐	0.898	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Ö	6.13	1.03
Dibromochloromethane	ND	ND	ND	ND	ð	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ő	ND	ND
Dichlorodifluoromethane Ethyl Alcohol	ND 148	3.12 119	3.2 126	2.27 83.8	BB -	2.61	ND 25.1	2.53	2.84	3.19 61	2.91 57.8	2.33 51.8	1.84 43	2.62 28.6	2.2 52	2.19 107	2.88 87.1	4.03 50.9	7.22	8	2.36	2.32
Ethyl Acetate	140 ND	3.6	4.72	ND	CA	12/	137	214	170	178	176	50.1	43	26.0	38.9	46.1	41.4	50.9 ND	ND	CA	59.7 ND	02.7 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	-	9.69	10.5
Freon-113	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Freon-114	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	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	1 [11.4	2.75
Hexachlorobutadiene	ND	ND	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	1	1120	229
Methyl tert butyl ether	ND ND	ND ND	ND 3.07	ND ND		ND ND	ND 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	ND ND	ND
Methylene chloride Naphthalene	NA	ND	3.07 NA	NA	H	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND NA	ND ND	ND ND	4.72	18.6	1	26	13.2
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	4.72 ND	10.0 ND		26 ND	13.2 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		14.4	16.4
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		43.9	51.3
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		ND	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	1 [10.9	ND
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		ND	ND
Tetrahydrofuran	ND	4.16	ND	2.22	-	ND	ND	ND	ND 2.00	2.14	ND	1.91	ND	ND	ND	ND	ND	2.48	5.75	1	ND	ND
Toluene	20.3	18.4 ND	11.6 ND	4.37 ND	-	18.6	4.33 ND	10.9 ND	3.66 ND	15.2 ND	8.89 ND	8.48	5.2 ND	4.52	2.86	11	4.6	17.6	47.1	{	22	23.7
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	ND ND	ND ND	ND ND	ND ND	-	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	3.1 ND	1 ŀ	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	1	400	ND
Trichlorofluoromethane	ND	5.22	3.73	4.61	-	1.48	0.30 ND	ND	ND	4.81	7.31	5.68	4.78	2.16	1.73	2.81	2.12	10.2	20		5.61	3.64
Vinyl bromide	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	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		404.28	3.65
Percent Decrease of CVOCs Pre to Post Carbon (%)	-92	2.60	-90	0.26		-94	l.58	-10	0.00	-94	4.13	-92	2.90	-93	3.74	-91	1.27	-8	4.46	I	-99.	.10
Percent Decrease of CVOCs From Baseline (10/2019 Pre)	-90	0.73	-87	.13		-90	1.93	-93	3.25	-88	3.17	-88	3.68	-91	1.09	-94	1.54	-8	3.49		-85.	.69

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/m² 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-Dichloroethane, 1,1-Dichloroethane, Methylene chloride, cis-1,2-Dichloroethane, Methylene chloride, Tetrachloroethene, Trichloroethane, 1,1-Dichloroethane, 1,1-D



Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	NY-TOGS-GA (5 µg/L)	ncrease/ Decrease
MW - 3	2/5/18 7/16/19	600.71	NG	NG	280 27, 2019 - June 28, 2019 ND	Baseline -100.00
	10/24/19 4/15/20 3/10/21	Potassi 600.71 600.71 600.71	um Permanganete Inje NG 5.54 6.10	Ctions October 1 NG 595.17 594.61	, 2019 - October 10, 2019 220 370 JH	-21.43 32.14 N/A
	3/30/21 4/14/21 5/20/21	600.71 600.71 600.71 600.71	5.95 5.98 6.10	594.76 594.73 594.61	NT 340 NT	N/A 21.43 N/A
	6/11/21 7/1/21 8/25/21 9/22/21	600.71 600.71 600.71 600.71	6.12 6.30 5.80 5.45	594.59 594.41 594.91 595.26	NT 400 NT NT	N/A 42.86 N/A N/A
	9/22/21 11/19/21 12/10/21 1/12/22	600.71 600.71 600.71 600.71	5.45 5.30 5.55 5.70	595.26 595.41 595.16 595.01	340 NT 190	21.43 N/A -32.14
	2/2/22 3/10/22 4/5/22	600.71 600.71 600.71 600.71	6.09 6.44 5.65	594.62 594.27 595.06	NT NT 280	N/A N/A 0.00
	5/16/22 6/6/22 7/6/22	600.71 600.71 600.71 600.71	5.81 5.70 5.91	594.90 595.01 594.80	NT NT 240	N/A N/A -14.29
	8/9/22 9/22/22 10/7/22	600.71 600.71 600.71 600.71	5.91 5.85 6.18 6.03	594.80 594.86 594.53 594.68	240 NT NT 350	-14.29 N/A N/A 25.00
	11/7/22 12/8/22 1/5/23	600.71 600.71 600.71 600.71	5.71 5.55 4.70	595.00 595.16 596.01	NT NT 170	N/A N/A -39.29
	2/21/23 3/24/23 4/6/23 5/17/23	600.71 600.71 600.71 600.71	5.70 5.41 5.35	595.01 595.30 595.36 594.91	NT NT 120 J	N/A N/A -57.14 N/A
	5/1//23 6/20/23 7/25/23 8/17/23	600.71 600.71 600.71 600.71	5.80 7.18 NG 5.95	593.53 NG 594.76	NI NT NT NT	N/A N/A N/A
	10/3/23 1/12/24 4/9/24 7/1/24	600.71 600.71 600.71	6.30 5.28 5.62	594.41 595.43 595.09	400 330 300	42.86 17.86 7.14
MW - 11	2/5/18 7/16/19	600.71 600.41 Potas 600.41	5.26 4.66 sium Permanganete P NG	595.75	250 40 27, 2019 - June 28, 2019	-10.71 Baseline -50.00
	10/24/19 4/15/20	Potassi 600.41 600.41	um Permanganete Inje NG 5.27	Ctions October 1 NG 595.14	16 45 JH	-60.00 12.50
	3/10/21 3/30/21 4/14/21 5/20/21	600.41 600.41 600.41 600.41	5.82 5.74 5.74 5.84	594.59 594.67 594.67 594.57	NT NT 16 NT	N/A N/A -60.00 N/A
	6/11/21 7/1/21 8/25/21	600.41 600.41 600.41	5.85 6.00 5.58	594.56 594.41 594.83	NT 47 NT	N/A 17.50 N/A
	9/22/21 11/19/21 12/10/21 1/12/22	600.41 600.41 600.41 600.41	5.32 5.15 5.35 5.45	595.09 595.26 595.06 594.96	NT 32 NT 22	N/A -20.00 N/A -45.00
	2/2/22 3/10/22 4/5/22	600.41 600.41 600.41	5.80 5.21 5.45	594.61 595.20 594.96	NT NT 24	N/A N/A -40.00
	5/16/22 6/6/22 7/6/22 8/9/22	600.41 600.41 600.41 600.41	5.49 5.46 5.63 5.71	594.92 594.95 594.78 594.70	NT NT 27 NT	N/A N/A -32.50 N/A
	9/22/22 10/7/22 11/7/22	600.41 600.41 600.41	5.90 5.80 5.61	594.51 594.61 594.80	NT 34 NT	N/A -15.00 N/A
	12/8/22 1/5/23 2/21/23 3/24/22	600.41 600.41 600.41 600.41	5.38 4.73 5.50	595.03 595.68 594.91	NT 31 NT	N/A -22.50 N/A
	3/24/23 4/6/23 5/17/23 6/20/23	600.41 600.41 600.41 600.41	5.39 4.60 5.60 5.94	595.02 595.81 594.81 594.47	NT 19 NT NT	N/A -52.50 N/A N/A
	7/25/23 8/17/23 10/3/23 1/12/24	600.41 600.41 600.41 600.41	5.60 5.74 6.05	594.81 594.67 594.36 595.07	23 NT 12 12	-42.50 N/A -70.00 -70.00
WW - 12	1/12/24 4/9/24 7/1/24 2/5/18	600.41 600.41 600.50	5.34 5.58 5.30 4.52	594.83 595.11 595.98	29 37 0.44 J	-70.00 -27.50 -7.50 Baseline
	7/16/19	Potas 600.50 Potassi	sium Permanganete P NG um Permanganete Inje	NG ctions October 1	ND , 2019 - October 10, 2019	-100.00
	10/24/19 4/15/20 3/10/21 3/30/21	600.50 600.50 600.50 600.50	NG 4.41 5.03 4.86	NG 596.09 595.47 595.64	ND ND NT NT	-100.00 -100.00 N/A N/A
	4/14/21 5/20/21 6/11/21	600.50 600.50 600.50	4.86 5.05 5.10	595.64 595.45 595.40	ND NT NT	-100.00 N/A N/A
	7/1/21 8/25/21 9/22/21 11/19/21	600.50 600.50 600.50 600.50	5.35 4.80 4.40 4.10	595.15 595.70 596.10 596.40	ND NT NT	-100.00 N/A N/A
	12/10/21 1/12/22 2/2/22	600.50 600.50 600.50	4.35 4.58 5.20	596.15 595.92 595.30	NT ND NT	N/A -100.00 N/A
	3/10/22 4/5/22 5/16/22 6/6/22	600.50 600.50 600.50 600.50	4.30 4.41 5.30 4.73	596.20 596.09 595.20 595.77	NT ND NT NT	N/A -100.00 N/A N/A
	7/6/22 8/9/22 9/22/22 10/7/22	600.50 600.50 600.50	4.10 4.89 5.15	596.40 595.61 595.35	ND NT NT	-100.00 N/A N/A
	10/7/22 11/7/22 12/8/22 1/5/23	600.50 600.50 600.50 600.50	5.04 4.62 4.42 3.54	595.46 595.88 596.08 596.96	ND NT NT ND	-100.00 N/A N/A -100.00
	2/21/23 3/24/23 4/6/23	600.50 600.50 600.50	4.55 4.39 3.76	595.95 596.11 596.74	NT NT ND	N/A N/A -100.00
	5/17/23 6/20/23 7/25/23 8/17/23	600.50 600.50 600.50 600.50	4.69 5.20 4.71 4.94	595.81 595.30 595.79 595.56	NT NT 0.20 J NT	N/A N/A -54.55 N/A
	10/3/23 1/12/24 4/9/24	600.50 600.50 600.50	4.94 5.39 4.14 4.41	595.36 596.36 596.09	0.18 J ND ND	-59.09 N/A N/A
WW - 13	7/1/24 2/5/18 7/16/19	600.50 600.31	4.10 4.44 sium Permanganete P	596.40 595.87 Filot Study June 2 NG	0.86	95.45 Baseline -51.25
	10/24/19 4/15/20	Potassi 600.31 600.31	um Permanganete Inje NG 3.70	NG 596.61	, 2019 - October 10, 2019 240 140 JH	50.00 -12.50
	3/10/21 3/30/21 4/14/21 5/20/21	600.31 600.31 600.31 600.31	4.25 4.10 4.13 4.32	596.06 596.21 596.18 595.99	NT NT 95 NT	N/A N/A -40.63 N/A
	6/11/21 7/1/21 8/25/21	600.31 600.31 600.31	4.40 4.60 4.10	595.91 595.71 596.21	NT 150 NT	N/A -6.25 N/A
	9/22/21 11/19/21 12/10/21 1/12/22	600.31 600.31 600.31 600.31	3.35 3.30 3.50 3.85	596.96 597.01 596.81 596.46	NT 73 NT 74	N/A -54.38 N/A -53.75
	1/12/22 2/2/22 3/10/22 4/5/22 5/16/22	600.31 600.31 600.31 600.31 600.31	4.30 4.46 3.80 4.10	596.46 596.01 595.85 596.51 596.21	NT NT 59 NT	-53.75 N/A N/A -63.13 N/A
	6/6/22 7/6/22 8/9/22	600.31 600.31 600.31	4.10 4.23 4.11 3.90	596.21 596.08 596.20 596.41	NT NT 89 NT	N/A -44.38 N/A
	9/22/22 10/7/22 11/7/22 12/8/22	600.31 600.31 600.31 600.31	4.45 5.66 3.78 3.45	595.86 594.65 596.53 596.86	NT 72 NT NT	N/A -55.00 N/A N/A
	1/5/23 2/21/23 3/24/23	600.31 600.31 600.31	3.45 2.62 3.81 3.46	596.50 596.50 596.85	35 NT NT	-78.13 N/A N/A
	4/6/23 5/17/23 6/20/23 7/25/23	600.31 600.31 600.31 600.31	3.10 4.01 5.50 3.98	597.21 596.30 594.81 596.33	32 J NT NT	-80.00 N/A N/A -43.75
	8/17/23 10/3/23 1/12/24	600.31 600.31 600.31 600.31	3.98 4.20 6.70 3.11	596.33 596.11 593.61 597.20	90 NT 71 36	-43.75 N/A -55.63 -77.50
WW - 14	4/9/24 7/1/24 3/10/21	600.31 600.31	3.66 3.27 6.76	596.65 597.04 -6.76	43 54 NT	-73.13 -66.25 N/A
	3/30/21 4/14/21		6.72 6.73	-6.72 -6.73 -6.75	NT NT NT	N/A N/A N/A
	5/20/21		6.75	a		
	6/11/21 7/1/21 8/25/21		6.80 6.95 6.50	-6.80 -6.95 -6.50 -6.15	NT NT NT	N/A N/A N/A
	6/11/21 7/1/21 8/25/21 9/22/21 11/19/21 12/10/21		6.80 6.95 6.50 6.15 6.10 6.30	-6.95 -6.50 -6.15 -6.10 -6.30	NT NT NT NT NT NT	N/A N/A N/A N/A
	6/11/21 7/1/21 8/25/21 9/22/21 11/19/21 1/12/22 2/2/22 3/10/22		6.80 6.95 6.15 6.10 6.30 6.40 6.74 7.36	-6.95 -6.50 -6.15 -6.10 -6.30 -6.40 -6.74 -7.36	NT NT NT NT NT NT NT NT NT NT	N/A N/A N/A N/A N/A N/A N/A
	6/11/21 7/1/21 8/25/21 11/19/21 12/10/21 1/12/22 2/2/22 3/10/22 4/5/22 5/16/22 6/6/22		6.80 6.95 6.50 6.15 6.10 6.30 6.40 6.74 7.36 6.40 6.54 6.54 6.31	-6.95 -6.50 -6.15 -6.10 -6.30 -6.40 -6.74 -7.36 -6.74 -6.54 -6.54	NT NT NT NT NT NT NT NT	N/A N/A N/A N/A N/A N/A
	6/11/21 7/1/21 8/25/21 9/22/21 11/19/21 12/10/21 1/12/22 2/2/22 3/10/22 4/5/22 5/16/22		6.80 6.95 6.50 6.15 6.10 6.30 6.40 6.74 7.36 6.40 6.54	-6.95 -6.50 -6.15 -6.10 -6.30 -6.40 -6.74 -7.36 -6.40 -6.54	NT NT NT NT NT NT NT NT NT NT NT	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
	6/11/21 7/1/21 8/25/21 9/22/21 11/19/21 12/10/21 1/12/22 2/2/22 3/10/22 5/16/22 7/6/22 7/6/22 8/9/22 9/22/22		6.80 6.95 6.50 6.15 6.15 6.16 6.30 6.74 7.36 6.40 6.51 6.51 6.61 6.54 6.57 6.61 6.57 6.61 6.62 7.56 6.52 6.34	-6.95 -6.50 -6.15 -6.10 -6.30 -6.74 -7.36 -6.74 -7.36 -6.54 -6.51 -6.51 -6.61 -6.82 -7.56 -6.52 -6.52 -6.54	NT	N/A
	6/11/21 7/1/21 8/25/21 11/19/21 2/2/22 3/10/22 3/10/22 4/5/22 5/16/22 6/6/22 7/8/22 7/8/22 7/8/22 10/7/22 10/7/22 11/7/22 12/10/23 3/24/23 3/24/23		6.80 6.95 6.50 6.15 6.10 6.30 6.74 6.74 6.74 6.74 6.54 6.54 6.57 7.56 6.64 6.67 7.56 6.62 7.56 6.62 6.62 6.63 6.62 6.63 6.64 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.63 6.64 6.62 6.62 6.62 6.62 6.62 6.62 6.62 6.63 6.64 6.62	$\begin{array}{r} -6.95\\ -6.50\\ -6.15\\ -6.10\\ -6.30\\ -6.40\\ -6.74\\ -7.36\\ -6.40\\ -7.36\\ -6.54\\ -6.54\\ -6.54\\ -6.57\\ -6.61\\ -6.82\\ -7.56\\ -6.52\\ -6.52\\ -6.34\\ -5.69\\ -6.22\\ \end{array}$	NT	N/A
	6/11/21 7/1/21 8/25/21 11/19/21 12/10/21 11/19/21 12/10/21 3/10/22 3/10/22 3/10/22 3/10/22 3/10/22 3/10/22 3/10/22 11/19/21 10/7/22 10/7/22 11/7/22 11/5/23 2/21/23 3/24/23		6.80 6.95 6.55 6.15 6.15 6.30 6.40 6.40 6.40 6.40 6.54 6.54 6.54 6.54 6.54 6.54 6.54 7.56 6.52 6.34 6.52 6.52 6.52 6.52 6.52	-6.95 -6.50 -6.15 -6.10 -6.30 -6.40 -6.74 -7.36 -6.57 -6.57 -6.51 -6.57 -6.51 -6.52 -6.34 -6.34 -6.52 -6.54 -6.54 -6.54 -6.54 -6.54 -6.54 -6.54 -6.54 -6.55	NT	N/A
	6/11/21 7/11/21 8/25/21 9/22/21 11/1/9/21 12/10/21 12/10/21 12/10/21 12/10/21 12/10/21 12/10/21 21/2/2 4/5/22 4/5/22 4/5/22 4/5/22 10/7/22 10/7/22 10/7/22 10/7/22 10/7/22 12/10/21 2/2/12/3 11/7/22 2/2/1/3 2/2/1/3 1/5/23 6/20/23 7/5/22 6/20/23 8/17/23 10/3/23 8/17/23		6.80 6.95 6.50 6.15 6.10 6.30 6.40 6.40 6.40 6.54 6.54 6.54 6.54 6.54 6.52 6.52 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.54 6.54 6.54 6.55 6.54 6.55 6.57 6.55 6.55 6.57 6	$\begin{array}{c} 6.95\\ -6.50\\ -8.15\\ -6.10\\ -6.10\\ -6.40\\ -6.74\\ -7.36\\ -6.40\\ -6.74\\ -6.54\\ -6.51\\ -7.56\\ -6.51\\ -6.52\\ -7.56\\ -6.82\\ -7.56\\ -6.34\\ -6.52\\ -6.52\\ -6.52\\ -6.52\\ -6.78\\ -6.87\\ -6.87\\ -6.87\\ -6.78\\ -6.98\\ -6.78\\ -6.$	NT	N/A
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/13/21 11/13/21 11/13/21 11/13/21 11/13/21 11/13/22 2/21/22 3/10/22 10/7/22 1		6.80 6.95 6.55 6.15 6.15 6.10 6.40 7.36 6.40 6.40 6.40 6.54 6.54 6.54 6.54 6.54 6.54 6.52 6.54 6.54 6.54 6.52 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.55 6.57 6.55 6.55 6.57 6.55 6.55 6.57 6.5	$\begin{array}{r} -6.95\\ -6.50\\ -6.50\\ -6.10\\ -6.10\\ -6.40\\ -6.30\\ -6.74\\ -6.34\\ -7.36\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.52\\ -6.52\\ -6.52\\ -6.52\\ -6.52\\ -6.54\\ -6.27\\ -6.22\\ -5.53\\ -6.50\\ -6.50\\ -6.57\\ -6.50\\ -6.78\\ \end{array}$	NT	NA NA NA NA NA NA NA NA NA NA NA NA NA N
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/19/21 12/10/21 11/19/21 12/10/21 11/12/22 22/22 3/10/22 4/5/22 4/5/22 4/5/22 5/16/22 6/16/22 6/16/22 6/16/22 8/9/22 10/7/23 10/7/23		$\begin{array}{c} 6.80\\ 6.85\\ 6.55\\ 6.50\\ 6.15\\ 6.10\\ 6.30\\ 6.40\\ 7.36\\ 7.36\\ 6.61\\ 6.63\\ 6.61\\ 6.63\\ 7.56\\ 6.61\\ 6.63\\ 7.56\\ 6.63\\ 7.56\\ 6.62\\ 6.52\\ 6.52\\ 6.52\\ 6.53\\$	$\begin{array}{c} 6.95\\ 6.95\\ 6.10\\ -6.10\\ -6.30\\ -6.40\\ -7.36\\ -7.36\\ -7.36\\ -6.40\\ -6.51\\ -6.40\\ -6.51\\ -6.51\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.65\\ -6.55\\ -5.52$	NT NT	NA NA
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 21/10/21 11/18/21 21/10/21 11/18/21 21/10/21		$\begin{array}{c} 6.80\\ 6.85\\ 6.55\\ 6.50\\ 6.15\\ 6.10\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.36\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.56\\ 7.52\\$	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.73\\ -6.10\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.74\\ -6.61\\ -6.82\\ -6.61\\ -6.82\\ -6.65\\ -6.65\\ -6.65\\ -6.78\\ -6.$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/16/21 11/16/21 11/16/21 11/16/21 11/16/21 11/22/2 3/10/22 4/5/22 6/6/22 7/6/22 10/7/		$\begin{array}{c} 6.80\\ 6.95\\ 6.95\\ 6.15\\ 6.10\\ 6.10\\ 6.0\\ 7.36\\ 6.40\\ 6.54\\ 6.54\\ 6.54\\ 6.54\\ 6.57\\ 7.26\\ $	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.10\\ -6.30\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.51\\ -6.61\\ -6.61\\ -6.62\\ -6.61\\ -6.62\\ -6.63\\ -6.$	NT NT	NA NA
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 12/10/21 11/12/22 22/22 8/16/22 6/16/22 7/6/22 8/9/22 10/7/2		6.80 6.85 6.55 6.15 6.15 6.30 6.40 7.76 6.40 6.40 6.40 6.40 6.40 6.40 6.54 6.54 6.54 6.54 6.54 6.54 6.52 6.52 6.34 6.52 6.55 6.55 6.55 6.55 6.55 6.52 6.52 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -8.15\\ -6.10\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -6.27\\ -6.27\\ -6.22\\ -6.26\\ -6.27\\ -6.22\\ -6.26\\ -6.27\\ -6.22\\ -6.27\\ -6.22\\ -6.22\\ -6.22\\ -6.22\\ -6.22\\ -6.22\\ -6.22\\ -6.23\\ -6.26\\ -6.27\\ -6.22\\ -6.$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/17/22 10/17/22 11/17/22 10/17/22 11/17/23 10/17/22 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23 10/17/23 11/17/23		6.80 6.95 6.50 6.15 6.10 6.30 6.74 6.73 6.74 6.73 6.40 6.54 6.57 7.56 6.52 7.56 6.52 7.56 6.52 6.52 6.52 6.53 6.54 6.53 6.54 6.53 6.53 6.54 6.53 6.53 6.54 6.53 6.53 6.54 6.53 6.54 6.55 6.53 6.53 6.54 6.55 6.53 6.55 6.50	$\begin{array}{c} 6.95\\ 6.50\\ 6.51\\ 6.52\\ 6.53\\ 6.51\\ 6.52\\ 6.53\\ 6.51\\ 6.52\\ 6.53\\$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/16/21 11/16/21 11/16/21 11/16/21 11/22/2 3/10/22 6/6/22 10/27/2 10/2		6.80 6.95 6.55 6.15 6.15 6.10 6.40 6.74 6.40 6.54 6.54 6.57 7.26 6.54 6.57 7.26 6.54 6.57 7.26 6.54 6.57 7.26 6.54 6.57 7.26 6.54 6.57 7.26 6.53 6.57 7.26 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.54 6.53 6.54 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.30\\ -6.10\\ -6.30\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.51\\ -6.51\\ -6.52\\ -6.53\\ -6.50\\ -6.78\\ -6.22\\ -6.23\\ -6.24\\ -6.$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/12/22 22/12/2 6/6/22 10/7/22		6.80 6.85 6.55 6.50 6.51 6.50 6.51 6.50 6.51 6.50 6.51 6.51 6.51 6.51 6.51 6.54 6.54 6.51 7.56 6.52 6.54 6.52 6.54 6.52 6.54 6.52 6.54 6.50 6.57 6.52 6.54 6.57 6.52 6.54 6.57 6.52 6.53 6.54 6.57 6.55 6.55 6.55 6.55 6.55 6.55 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.10\\ -6.10\\ -6.10\\ -6.10\\ -6.10\\ -7.26\\ -6.11\\ -7.26\\ -6.11\\ -7.26\\ -6.24\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.27\\ -7.56\\ -6.72\\ -6.27\\ -7.50\\ -7.$	NT NT	NA NA
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/18/21 11/17/22 10/07/22		6.80 6.85 6.55 6.50 6.51 6.50 6.51 6.50 6.51 6.50 6.51 6.51 6.54 6.54 6.54 6.57 7.56 6.54 6.54 6.57 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.10\\ -6.30\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.40\\ -6.54\\ -6.51\\ -6.51\\ -6.51\\ -6.52\\ -6.53\\ -6.52\\ -6.50\\ -6.78\\ -6.62\\ -6.78\\ -6.62\\ -6.78\\ -6.62\\ -6.78\\ -6.63\\ -6.$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/12/22 22/12/3 8/9/22 6/6/22 6/6/22 10/7/22 10/		6.80 6.85 6.55 6.50 6.51 6.50 6.51 6.51 6.53 6.40 6.54 6.54 6.54 6.54 6.54 6.54 6.54 7.56 6.54 6.54 7.56 6.54 6.52 7.56 6.54 6.52 6.54 6.54 6.54 6.55 6.54 6.55 6.55 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -8.10\\ -6.10\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -7.26\\ -6.27\\ -7.26\\ -6.27\\ -6.22\\ -6.27\\ -6.22\\ -6.27\\ -6.22\\ -6.27\\ -6.22\\ -6.22\\ -6.27\\ -6.22\\ -6.27\\ -6.22\\ -6.22\\ -6.23\\ -6.26\\ -6.79\\ -6.22\\ -7.25\\ -6.22\\ -7.25\\ -5.25\\ -7.25\\ -7.25\\ -5.25\\ -7.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -7.25\\ -5.25\\ -7.25\\ -5.25\\ -7.25\\ -7.25\\ -5.25\\ -7.$	NT NT	NA NA
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/17/22 10/17/22 11/17/22 10/17/22 11/17/23 10/17/22 11/17/23 10/17/23 11/17/23 10/17/23		6.80 6.85 6.55 6.15 6.10 6.20 6.74 6.73 6.74 6.74 6.73 6.74 6.73 6.74 6.54 6.57 6.54 6.57 6.52 6.52 6.52 6.52 6.52 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.53 6.54 6.55 6.53 6.53 6.53 6.53 6.55 6.53 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.15\\ -6.15\\ -6.10\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.54\\ -6.55\\ -5.55\\ -5$	NT NT	NA NA
ww - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/22 11/18/22 1		6.80 6.85 6.55 6.50 6.51 6.50 6.51 6.50 6.51 6.50 6.51 6.50 6.54 6.54 6.57 7.56 6.52 7.56 6.52 7.55 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.56 7.50 7.50 7.50 7.50 7.50 7.50 7.50 7.50	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -6.30\\ -6.11\\ -6.30\\ -6.40\\ -6.$	NT NT	NA NA
WW - 15	6/11/21 7/1/21 8/25/21 9/22/21 11/18/21 12/10/21 11/18/21 12/10/21 11/18/21 12/10/21 11/12/22 22/02 8/9/22 10/7/23 10/7/22 10/7/23 10/7/22 10/7/23 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/7/24 10/	801.97 801.97 801.97	6.80 6.85 6.55 6.15 6.10 6.30 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.51 6.54 6.54 6.52 6.54 6.52 6.54 6.54 6.54 6.52 6.54 6.54 6.54 6.54 6.54 6.52 6.54 6.54 6.54 6.52 6.52 6.54 6.54 6.55	$\begin{array}{c} 6.95\\ -6.50\\ -6.10\\ -8.15\\ -6.10\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.7\\ -7.36\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.54\\ -6.55\\ -7.56\\ -6.7\\ -6.55\\ -6.7\\ -7.50\\$	NT NT	NA NA

No - No Gauget, ND - Non-Detect, NT - Not laster, NJ - Not Appicable J - Estimated value. The Target analyte concentration is below the susmitation fimil (RL), but dow the Method Detection Limit (RDU) of Estimated Detection Limit (RDU) for SPME-related analyses. This represents an estimated concentration for Terratively identified Compounds (TC). It - The analysis of the 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. Buds badaing - exemit executes MY/OBS-GA to TCE 4. RED BOLCEP - Percent Increases of TCE from Baseline 5. Butle SDAIDE - Result Analyses are suit of data validation. 6. Data Validation was not preformed on the following sample latter: 7/16/19 (sampled by others), 1024/19 (sampled by others), 7/121, 11/1921, 11/2222.



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

							MOD-PAC CO	кр.						
				GW	1.1-				cis-1.2-	trans-1.2-				
Monitoring Well		T	Denth 4											
monitoring men		Top of	Depth to	Elevation	Dichloroethe	2-Butanone	Acetone	Benzene	Dichloroethe	Dichloroethe	Trichloroethe	Vinyl chloride	Total	% Increase/
	Date	Casing (ft)	Water (ft)	(ft)	ne (µg/L)	(µg/L)	(µg/L)	(µg/L)	ne (µg/L)	ne (µg/L)	ne (µg/L)	(µg/L)	VOCs	Decrease
								((-3)						
		NY-TOGS-	GA (µg/L)		5	50	50	1	5	5	5	2	(µg/L)	TCE
MW - 3	2/5/18	600.71	5.05	595.66	ND	ND	ND	ND	80	14	280	13	387.0	Baseline
					Potas	sium Permai	nganete Pilo	t Study June	27, 2019 - Ju	ine 28, 2019				
	7/16/19	600.71	NG	NG	ND	3.10 J	38	ND	ND	ND	ND	ND	43.4	-100.00
	1/10/13	000.71	NO	110	Potassi	Im Permana	anete Injecti	one October		tober 10, 201			43.4	-100.00
	10/24/2019*	000 74		1.10								<1	050.0	04.40
		600.71	NG	NG	ND	ND	<20	<1	30	3	220		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 5.91	595.06	0.44 J	ND	ND	ND	46	5.1 J	280 240	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		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	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
1	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
1	7/1/24	600.71	5.26	595.45	ND	ND	ND	ND	66	5.2 J	250	1.9 J	323.1	-10.71
MW - 11	2/5/18	600.41	4.66	595.75	ND						40	5.6	64.56	
WIVY - 11	2/3/18	000.41	4.00	395.75	Poter	2.3 J sium Permai	9.4	0.16 J t Study June	27 2010 1	2.9 Ine 28, 2019	40	3.0	04.30	Baseline
	74045	000 ()	NO										70.05	50.00
	7/16/19	600.41	NG	NG	0.35 J	ND	4.5 J	ND	14	25	20	9.8	73.65	-50.00
								ons October						
	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			595.26					17		32	7.8	87.3	-20.00
		600.41	5.15		0.27 J	ND	ND	0.25 J		30				
	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 2.5 J	ND 0.2 J	10 J 12	16 17	19 J 23	10 17	55.4 71.9	-52.50
	7/25/23	600.41	5.60	594.81	0.22 J	ND								-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
	7/1/24	600.41	5.58 5.30	595.11	0.22 J	ND	3.1 J	0.23 J	17	21	37	14	92.6	-7.50
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
WW - 12	2/3/10	000.30	4.32	333.30							0.44 J	ND 9	2.04	Daseinie
								t Study June						
	7/16/19	600.50	NG	NG	ND	ND	3 J	ND	ND	ND	ND	ND	3.0	-100.00
					Potassi	um Permang	anete Iniecti	ons October	1.2019 - Oc	tober 10, 201	9			
	10/24/2019*	600.50	NG	NG	ND	ND	<200	ND	ND	ND	ND	ND	ND	-100.00
	4/15/2019		4.41						ND	ND	ND	ND		
		600.50		596.09	ND	ND	11	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
1	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	1/5/23					ND				ND	ND ND	ND ND		
		600.50	3.54	596.96	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
1	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	1/12/24	600.50	4.14	596.36	ND	ND	ND	ND	ND	ND	ND	ND	0.0	-100.00
		600.50	4.41		ND	ND	ND	ND	ND	ND	ND	ND	0.0	-100.00
1	4/9/24			596.09										-100.00
L	7/1/24	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	0.86	ND	0.9	95.45
MW - 13	2/5/18	600.31	4.44	595.87	1	ND	ND	ND	180	4.1	160	25	371.3	Baseline
			• · · · ·		Potas	sium Permai	nganete Pilo		27, 2019 - Ju					
	7/16/19	600.31	NG	NG	1.20 J	ND	ND	ND	400	3.9 J	78	56	539.1	-51.25
	7/10/19	000.31	ING	NO								50	335.	-01.20
1					Potassi		anete Injecti	ons October		tober 10, 201			/	
1	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
1	4/5/22	600.31	3.80	596.51	0.9	ND	ND	ND	130	1.8 J	59	75	266.7	-63.13
1	7/6/22	600.31	4.11	596.20	0.73	ND	ND	ND	110	1.7 J	89	51	252.4	-44.38
1	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	1/5/23	600.31	2.62	597.69	0.19 J	ND	ND	ND	40	ND	35	6	81.2	-78.13
1	4/6/23	600.31	3.10	597.21	0.22 J	ND	ND	ND	42	ND	32 J	15	89.2	-80.00
					0.22 0			ND						
	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	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
1	7/1/24	600.31	3.27	597.04	0.18 J	ND	ND	ND	32	ND	54	11	97.2	-66.25

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 SPME-related analyses. This represents an estimated concentration for Tentatively identified Compounds (TICs). : H = The analysis of pH was performed be collection; 2. Water Levels measured from top of riser 3. Biku Shading R-Beult acceles VN-TOGS-GA for TCE 4. RED BOLDED = Percent increase of TCE from Baseline 6. BLUE BOLDED – Result changels are suit of data validation. 6. Data Validation was not performed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 11/12/22. 7. 10/24/2019 data analyzed by extinci Bacester Labrationes Environmental, all other data analyzed by Alpha Analytical 8. DAVGC Results not included on this table, please see full analytical report.



ATTACHMENT C

Well Data Sheets





 $\begin{array}{c|c} \hline Date: 0910124 & Job #: 01304 \\ \hline Well ID: MW - 3 \\ \hline Crew: RH + C5 \\ \hline Well Depth (TOR): 15.0 \\ \hline Well Depth (GS): 15.6 \\ \hline Initial Water Level (TOR): 5.26 \\ \hline Initial Water Level (GS): 5.86 \\ \hline \end{array}$

Volume Calculation:	(15.0-5.26)	× 0.163 =	1.59
DTB-DTW*0.163=1-we	ell vol		

		Purge Ree	cord		
Time	Volume	pН	Cond.	Temp.	Turbidity
8:54	ł	7.00	1.44	20.07	0.0
9:04	2	6.99	1.40	20.06	0.0
q: 14	3	1.01	1.37	20.04	0.0
9:24	ц	7.02	1.39	20.02	0.0
9:35	5	7.04	1.32	20,09	0,0

Purge Method: Bailer/Submersible Pump

Initial Water Quality	add		
Final Water Quality	good		
	1	1	

SAMPLE RECORD

Date: 07|01|24Time: 9735Crew: $RH \rightarrow CS$ Method: 10W flowSample ID: MW-3(070124)Water Quality: 900dpH: 7.04Conductivity: 1.32Temperature: 20.06Turbidity: 0.0

Volume: See Chain Analysis: 11 Chain of Custody #: ---Sample Type: Stab

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

Signature: Rylu Hooker



Date: 07 01 24	Job #:	01304
Well ID: MW-//		
Crew: RH + CS		•
Well Depth (TOR): 15.05		
Well Depth (GS): いら、なる		
Initial Water Level (TOR): ら.30		
Initial Water Level (GS): 6.13		
	١	

Volume Calculation:	(15.05-5.30)	×	0.041	= 0.39
DTB-DTW*0.163=1-we	ll vol			

Purge Record Volume рH Cond. Temp. ^ G 10 20 10

Time	Volume	рН	Cond.	Temp.	Turbidity
10:02	0.5	7.03	2.62	19.89	ד.ד
10:10	1.0	7.14	2.99	(4.51)	68.9
10:18	1.5	7.27	2.58	19.18	43.6
10.23	2.0	1.28	2.55	19.55	19.8

Purge Method:	Bailer/Submersible Pump
Initial Water Quality	aood
Final Water Quality	anad
	\mathcal{J}^{*}

SAMPLE RECORD

Date: 07/01/24
Time: 10:23
Crew: RH + CS
Method: 10W flow
Sample ID: MW~11 (010124)
Water Quality: 0,000
pH: 7.28 J
Conductivity: 2.55
Temperature: 19,55
Turbidity: 19.8

Volu	me: 🔨	see chain	
Anal	ysis:		
Chai	in of Cu	ustody #: 🔶	
Sam	ple Ty	dinn is	
		<u> </u>	
Dian	neter	Multiply by	
	1"	0.041	
	2"	0.163	
	3"	0.367	
	4"	0.653	
	6"	1.468	
	8"	2.61	

Comments: PTD Headspace 0 1.70

Signature: Ryu Hooker



Date: 07/01/24	Job #	= 01304
Well ID: MW-12		
Crew: RH + CS		
Well Depth (TOR): الل , ٦		
Well Depth (GS): 15.2		
Initial Water Level (TOR): L		
Initial Water Level (GS): 🙀 🕻		

Volume Calculation: (14.7 - 4.1) × 0.041 = 0.43

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	рН	Cond.	Temp.	Turbidity
10:52	0.5	7.20	0.927	20.84	360.2
11:00	1.0	7.21	0.284	21.25	3,7
11:09	1.5	7.47	0.864	21.36	04

Purge Method: Bailer/Submersible Pump

Initial Water Quality	700F	
Final Water Quality	good	

SAMPLE RECORD

Date: 01 01 24
Time: \\`.0Q
Crew: RH + CS
Method: 10W flow
Sample ID: MW-12 (070124)
Water Quality: 0000
рН: 7.47 0
Conductivity: 0、8 (5 斗
Temperature: 21.36
Turbidity: 0 4

Volume: 5	ee chair	
Analysis:))	
Chain of Cu	ustody #: 🔶	•
Sample Ty	pe: arab	
	2 -	_
Diameter	Multiply by	
	0.041	
2"	0.163	
3"	0.367	
4"	0.653	
6"	1.468	
8"	2.61	

Comments: PID Headspace 0.0

Signature: Ryu Hooker



Date: 01/01/24	Job #:	01304
Well ID: MW-13		
Crew: RH + CS		
Well Depth (TOR): 14.23		
Well Depth (GS): 14,93		
Initial Water Level (TOR): 3.27		
Initial Water Level (GS):		

Volume Calculation $(14.23 - 3.27) \times 0.041 = 0.449$

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pН	Cond.	Temp.	Turbidity
11:37	0.5	7.25	0.594	22.58	38.9
11:43	1.0	7.30	0.651	23.21	5.3
11:50	1.5	7.36	0.546	23.52	1.9

Purge Method: Bailer/&ubmersible Pump

Initial Water Quality 0000

SAMPLE RECORD

Date: 01/01/24
Time: WS0
Crew: RH + CS
Method: 10W flow
Sample ID: MW-13 (070124)
Water Quality: aood
рН: 7.36 ⁰
Conductivity: 0.646
Temperature: 23.62
Turbidity: F, Q

Volume: sec chain				
Analysis:	11			
Chain of Cu	ustody #: 🛛 🗕	•		
Sample Ty	pe: acab			
Diameter	Multiply by			
(1")	0.041			
2"	0.163			
3"	0.367			
4"	0.653			
6"	1.468			
8"	2.61			

Comments: PID Headspare : 0,0

Signature: Ryle Hooker



Date: 07101124	Job #:	01304
Well ID: MW - 14		
Crew: RH + CS		
Well Depth (TOR): 0, 7		
Well Depth (GS): 10.16		
Initial Water Level (TOR): 6 .24		
Initial Water Level (GS): 6.10		

Volume Calculation: NO Sample

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	рН	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

ł

Signature: Ryle Hooker



Date: 07/01/24	Job #: 01304
Well ID: MW-16	
Crew: RH + CS	
Well Depth (TOR): \0,92	
Well Depth (GS): 10,12	
Initial Water Level (TOR): 5.02	
Initial Water Level (GS): 4,82	

Volume Calculation:	No	Sample	
DTB-DTW*0.163=1-well	vol		

Purge Record Time Volume pH Cond. Temp. Turbidity Image: Image Structure I

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Ballel/Submersible Fump

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

Signature: Rylu Hooker

ATTACHMENT D

Analytical Laboratory Reports





ANALYTICAL REPORT

Lab Number:	L2437281
Client:	Environmental Advantage, Inc.
	3636 North Buffalo Road
	Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC Q3 GROUNDWATER SAMPLING
Project Number:	01304
Report Date:	07/09/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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



Project Name:MPC Q3 GROUNDWATER SAMPLINGProject Number:01304

Lab Number:	L2437281
Report Date:	07/09/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2437281-01	MW-3 (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 09:35	07/01/24
L2437281-02	MW-11 (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 10:23	07/01/24
L2437281-03	MW-11 (070124) DUPLICATE	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 10:23	07/01/24
L2437281-04	MW-12 (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 11:09	07/01/24
L2437281-05	MW-13 (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 11:50	07/01/24
L2437281-06	TRIP BLANK (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 11:38	07/01/24
L2437281-07	RINSATE BLANK (070124)	WATER	MOD-PAC CORP. BUFFALO, NY	07/01/24 12:10	07/01/24

Project Name:MPC Q3 GROUNDWATER SAMPLINGProject Number:01304

Lab Number: L2437281 Report Date: 07/09/24

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 Q3 GROUNDWATER SAMPLINGProject Number:01304

 Lab Number:
 L2437281

 Report Date:
 07/09/24

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:

Curlen Walker Cristin Walker

Title: Technical Director/Representative

Date: 07/09/24



ORGANICS



VOLATILES



		Serial_N	o:07092410:57
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID:	L2437281-01 D	Date Collected:	07/01/24 09:35
Client ID:	MW-3 (070124)	Date Received:	07/01/24
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	1,8260D		
Analytical Date:	07/06/24 23:05		
Analyst:	MJV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	stborough Lab					
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	1.9	J	ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	5.2	J	ug/l	6.2	1.8	2.5
Trichloroethene	250		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5



			Serial_No	:07092410:57
Project Name:	MPC Q3 GROUNDV	VATER SAMPLING	Lab Number:	L2437281
Project Number:	01304		Report Date:	07/09/24
SAMPLE RESULTS				
Lab ID: Client ID: Sample Location:	L2437281-01 MW-3 (070124) MOD-PAC CORP.	D BUFFALO, NY	Date Collected: Date Received: Field Prep:	07/01/24 09:35 07/01/24 Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
/olatile Organics by GC/MS - Westborg	ough Lab					
,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Nethyl tert butyl ether	ND		ug/l	6.2	0.42	2.5
/m-Xylene	ND		ug/l	6.2	1.8	2.5
-Xylene	ND		ug/l	6.2	1.8	2.5
is-1,2-Dichloroethene	66		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
sopropylbenzene	ND		ug/l	6.2	1.8	2.5
,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Nethyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Nethyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	121	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	98	70-130	
Dibromofluoromethane	110	70-130	



Serial_No:07092410:57		
Lab Number: L2437281	Q3 GROUNDWATER SAMPLING Lab	Project Name: MI
Report Date: 07/09/24	Rep	Project Number: 01
	SAMPLE RESULTS	
Date Collected: 07/01/24 10:23	7281-02 Date	Lab ID: L
Date Received: 07/01/24	11 (070124) Date	Client ID: N
Field Prep: Not Specified	PPAC CORP. BUFFALO, NY Field	Sample Location: N
		Sample Depth:
	ſ	Matrix: V
	60D	Analytical Method: 1
	6/24 22:15	Analytical Date: 0
		Analyst: N
Date Collected: 07/01/24 10:23 Date Received: 07/01/24	SAMPLE RESULTS 7281-02 Date 11 (070124) Date 0-PAC CORP. BUFFALO, NY Field	Lab ID: L Client ID: M Sample Location: M Sample Depth: Matrix: V Analytical Method: 1 Analytical Date: 0

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough 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	0.23	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	14		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	21		ug/l	2.5	0.70	1
Trichloroethene	37		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281			
Project Number:	01304	Report Date:	07/09/24			
SAMPLE RESULTS						
Lab ID:	L2437281-02	Date Collected:	07/01/24 10:23			
Client ID:	MW-11 (070124)	Date Received:	07/01/24			
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified			

Samp	le D	epth:
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Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - West	borough 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	17		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	117		70-130	
Toluene-d8	105		70-130	
4-Bromofluorobenzene	95		70-130	
Dibromofluoromethane	106		70-130	



		Serial_No	p:07092410:57
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID:	L2437281-03	Date Collected:	07/01/24 10:23
Client ID:	MW-11 (070124) DUPLICATE	Date Received:	07/01/24
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	1,8260D		
Analytical Date:	07/06/24 22:40		
Analyst:	MJV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough 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	0.18	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	13		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.33	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
Trichloroethene	36		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID:	L2437281-03	Date Collected:	07/01/24 10:23
Client ID:	MW-11 (070124) DUPLICATE	Date Received:	07/01/24
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
/olatile Organics by GC/MS - Westbo	orough Lab					
,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Aethyl tert butyl ether	ND		ug/l	2.5	0.17	1
)/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
sis-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.3	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
I-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
,2-Dibromoethane	ND		ug/l	2.0	0.65	1
,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
sopropylbenzene	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	1
Nethyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	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	117		70-130	
Toluene-d8	102		70-130	
4-Bromofluorobenzene	96		70-130	
Dibromofluoromethane	112		70-130	



		Serial_No	0:07092410:57
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID: Client ID: Sample Location:	L2437281-04 MW-12 (070124) MOD-PAC CORP. BUFFALO, NY	Date Collected: Date Received: Field Prep:	07/01/24 11:09 07/01/24 Not Specified
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 1,8260D 07/06/24 21:50 MJV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	stborough Lab					
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.86		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1



Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281			
Project Number:	01304	Report Date:	07/09/24			
SAMPLE RESULTS						
Lab ID:	L2437281-04	Date Collected:	07/01/24 11:09			
Client ID:	MW-12 (070124)	Date Received:	07/01/24			
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified			

Samp	le D	epth:
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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	121		70-130	
Toluene-d8	101		70-130	
4-Bromofluorobenzene	96		70-130	
Dibromofluoromethane	111		70-130	



		Serial_N	0:07092410:57
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID:	L2437281-05	Date Collected:	07/01/24 11:50
Client ID:	MW-13 (070124)	Date Received:	07/01/24
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	1,8260D		
Analytical Date:	07/06/24 21:26		
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	11		ug/l	1.0	0.07	1		
Chloroethane	ND		ug/l	2.5	0.70	1		
1,1-Dichloroethene	0.18	J	ug/l	0.50	0.17	1		
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1		
Trichloroethene	54		ug/l	0.50	0.18	1		
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1		



Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281			
Project Number:	01304	Report Date:	07/09/24			
SAMPLE RESULTS						
Lab ID:	L2437281-05	Date Collected:	07/01/24 11:50			
Client ID:	MW-13 (070124)	Date Received:	07/01/24			
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified			

Samp	le Depth	:
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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	32		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	118		70-130	
Toluene-d8	99		70-130	
4-Bromofluorobenzene	99		70-130	
Dibromofluoromethane	109		70-130	



		Serial_No	0:07092410:57
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304	Report Date:	07/09/24
	SAMPLE RESULTS		
Lab ID: Client ID: Sample Location:	L2437281-06 TRIP BLANK (070124) MOD-PAC CORP. BUFFALO, NY	Date Collected: Date Received: Field Prep:	07/01/24 11:38 07/01/24 Not Specified
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 1,8260D 07/06/24 20:36 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 Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281			
Project Number:	01304	Report Date:	07/09/24			
SAMPLE RESULTS						
Lab ID:	L2437281-06	Date Collected:	07/01/24 11:38			
Client ID:	TRIP BLANK (070124)	Date Received:	07/01/24			
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified			

Sampl	le De	pth:
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Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	tborough 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	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	117	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	98	70-130	
Dibromofluoromethane	109	70-130	



Serial_No:07092410:57							
Project Name:	MPC Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281				
Project Number:	01304	Report Date:	07/09/24				
	SAMPLE RESULTS						
Lab ID: Client ID: Sample Location:	L2437281-07 RINSATE BLANK (070124) MOD-PAC CORP. BUFFALO, NY	Date Collected: Date Received: Field Prep:	07/01/24 12:10 07/01/24 Not Specified				
Sample Depth: Matrix: Analytical Method: Analytical Date: Analyst:	Water 1,8260D 07/06/24 21:01 MJV						

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	stborough 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 Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281
Project Number:	01304 Report Date:		07/09/24
	SAMPLE RESULTS		
Lab ID:	L2437281-07	Date Collected:	07/01/24 12:10
Client ID:	RINSATE BLANK (070124)	Date Received:	07/01/24
Sample Location:	MOD-PAC CORP. BUFFALO, NY	Field Prep:	Not Specified

Sample	Depth:
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Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	tborough 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	1.6	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	118		70-130	
Toluene-d8	102		70-130	
4-Bromofluorobenzene	98		70-130	
Dibromofluoromethane	112		70-130	



Project Name: MPC Q3 GROUNDWATER SAMPLING

Project Number: 01304

 Lab Number:
 L2437281

 Report Date:
 07/09/24

Method Blank Analysis Batch Quality Control

Analytical Method:1,8260DAnalytical Date:07/06/24 15:14Analyst:LAC

arameter	Result	Qualifier Units	RL	MDL
olatile Organics by GC/MS - V	Vestborough Lab	for sample(s):	01-07 Batch:	WG1944312-5
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 Q3 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2437281 Report Date: 07/09/24

Method Blank Analysis Batch Quality Control

Analytical Method:1,8260DAnalytical Date:07/06/24 15:14Analyst:LAC

arameter	Result	Qualifier Units	RL	MDL
olatile Organics by GC/MS - W	/estborough Lab t	for sample(s): 01-07	Batch:	WG1944312-5
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 Q3 GROUNDWATER SAMPLING	Lab Number:	L2437281			
Project Number:	01304	Report Date:	07/09/24			

Method Blank Analysis Batch Quality Control

Analytical Method:1,8260DAnalytical Date:07/06/24 15:14Analyst:LAC

Parameter	Result	Qualifier	Units	RL	MDL	
Volatile Organics by GC/MS - We	stborough La	ab for sample	e(s): 01-07	Batch:	WG1944312-5	

			Acceptance
Surrogate	%Recovery	Qualifier	Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: MPC Q3 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2437281 Report Date: 07/09/24

LCSD LCS %Recovery RPD %Recovery RPD %Recovery Limits Limits Parameter Qual Qual Qual Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1944312-3 WG1944312-4 Methylene chloride 92 92 70-130 0 20 1,1-Dichloroethane 100 100 70-130 0 20 Chloroform 97 95 70-130 2 20 Carbon tetrachloride 90 90 63-132 20 0 70-130 20 1,2-Dichloropropane 98 100 2 Dibromochloromethane 93 97 63-130 4 20 1.1.2-Trichloroethane 100 100 70-130 20 0 Q Tetrachloroethene 91 Q 70-130 20 53 53 Chlorobenzene 99 98 75-130 1 20 Trichlorofluoromethane 92 92 62-150 0 20 1.2-Dichloroethane 98 99 70-130 1 20 1,1,1-Trichloroethane 91 91 67-130 0 20 Bromodichloromethane 96 96 67-130 0 20 96 70-130 20 trans-1,3-Dichloropropene 96 0 cis-1,3-Dichloropropene 96 96 70-130 0 20 Bromoform 94 95 54-136 20 1 1,1,2,2-Tetrachloroethane 110 120 67-130 9 20 98 70-130 20 Benzene 98 0 70-130 20 Toluene 96 98 2 Ethylbenzene 97 97 70-130 0 20 Chloromethane 76 76 64-130 0 20 Bromomethane 20 45 44 39-139 2 20 Vinyl chloride 90 88 55-140 2



Lab Control Sample Analysis Batch Quality Control

Project Name: MPC Q3 GROUNDWATER SAMPLING

Project Number: 01304

 Lab Number:
 L2437281

 Report Date:
 07/09/24

LCSD LCS RPD %Recovery %Recovery RPD %Recovery Limits Limits Parameter Qual Qual Qual Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1944312-3 WG1944312-4 Chloroethane 110 100 55-138 10 20 1.1-Dichloroethene 83 86 61-145 4 20 trans-1.2-Dichloroethene 90 92 70-130 2 20 Trichloroethene 82 83 70-130 20 1 96 70-130 20 1,2-Dichlorobenzene 96 0 1.3-Dichlorobenzene 100 98 70-130 2 20 99 98 70-130 20 1.4-Dichlorobenzene 1 Methyl tert butyl ether 92 95 63-130 3 20 p/m-Xylene 95 100 70-130 5 20 o-Xylene 100 100 70-130 0 20 cis-1,2-Dichloroethene 94 96 70-130 2 20 Styrene 100 100 70-130 0 20 Dichlorodifluoromethane 76 75 36-147 1 20 92 58-148 20 87 6 Acetone Carbon disulfide 96 89 51-130 8 20 2-Butanone 85 93 63-138 9 20 4-Methyl-2-pentanone 91 97 59-130 20 6 92 57-130 20 2-Hexanone 84 9 Bromochloromethane 70-130 100 100 0 20 1,2-Dibromoethane 92 94 70-130 2 20 1,2-Dibromo-3-chloropropane 86 88 41-144 2 20 20 Isopropylbenzene 95 93 70-130 2 1,2,3-Trichlorobenzene 88 90 70-130 2 20



Lab Control Sample Analysis Batch Quality Control

Project Name: MPC Q3 GROUNDWATER SAMPLING

Project Number: 01304

 Lab Number:
 L2437281

 Report Date:
 07/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recov		%Recovery Limits	RPD	Qual	RPD Limits	
Volatile Organics by GC/MS - Westborough L	ab Associated	sample(s):	01-07 Batc	h: WG1944312-3	3 WG1944312-4				
1,2,4-Trichlorobenzene	90		90		70-130	0		20	
Methyl Acetate	100		100		70-130	0		20	
Cyclohexane	90		91		70-130	1		20	
1,4-Dioxane	84		90		56-162	7		20	
Freon-113	87		86		70-130	1		20	
Methyl cyclohexane	86		86		70-130	0		20	

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105	110	70-130
Toluene-d8	102	103	70-130
4-Bromofluorobenzene	99	97	70-130
Dibromofluoromethane	101	102	70-130



Matrix Spike Analysis

Project Name:	MPC Q3 GROUNDWATER SAMPLING	Batch Quality Control	Lab Number:	L2437281
Project Number:	01304		Report Date:	07/09/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual Found	MSD %Recovery	Recove Qual Limits		Qual	RPD Limits
Volatile Organics by GC/M MW-12 (070124)	MS - Westborough	Lab Asso	ciated sample(s): 01-07 QC	Batch ID: WG1944	312-8 WG194	4312-9 QC San	nple: L243	7281-04	Client ID:
Methylene chloride	ND	10	11	110	10	100	70-130	10		20
1,1-Dichloroethane	ND	10	12	120	12	120	70-130	0		20
Chloroform	ND	10	11	110	11	110	70-130	0		20
Carbon tetrachloride	ND	10	12	120	11	110	63-132	9		20
1,2-Dichloropropane	ND	10	12	120	11	110	70-130	9		20
Dibromochloromethane	ND	10	11	110	10	100	63-130	10		20
1,1,2-Trichloroethane	ND	10	11	110	11	110	70-130	0		20
Tetrachloroethene	ND	10	10	100	10	100	70-130	0		20
Chlorobenzene	ND	10	11	110	10	100	75-130	10		20
Trichlorofluoromethane	ND	10	13	130	13	130	62-150	0		20
1,2-Dichloroethane	ND	10	12	120	12	120	70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120	11	110	67-130	9		20
Bromodichloromethane	ND	10	11	110	11	110	67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100	9.8	98	70-130	2		20
cis-1,3-Dichloropropene	ND	10	10	100	9.7	97	70-130	3		20
Bromoform	ND	10	10	100	9.7	97	54-136	3		20
1,1,2,2-Tetrachloroethane	ND	10	12	120	12	120	67-130	0		20
Benzene	ND	10	12	120	11	110	70-130	9		20
Toluene	ND	10	11	110	11	110	70-130	0		20
Ethylbenzene	ND	10	11	110	11	110	70-130	0		20
Chloromethane	ND	10	11	110	11	110	64-130	0		20
Bromomethane	ND	10	5.8	58	5.8	58	39-139	0		20
Vinyl chloride	ND	10	12	120	12	120	55-140	0		20



Matrix Spike Analysis

Project Name:	MPC Q3 GROUNDWATER SAMPLING	Batch Quality Control	Lab Number:	L2437281
Project Number:	01304		Report Date:	07/09/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/M MW-12 (070124)	S - Westborough	Lab Assoc	iated sample(s): 01-07 Q0	C Batch ID: WG19443	312-8 WG1944	312-9	QC Sample	e: L2437	7281-04	Client ID:
Chloroethane	ND	10	13	130	14	140	Q	55-138	7		20
1,1-Dichloroethene	ND	10	11	110	10	100		61-145	10		20
trans-1,2-Dichloroethene	ND	10	11	110	10	100		70-130	10		20
Trichloroethene	0.86	10	11	101	10	91		70-130	10		20
1,2-Dichlorobenzene	ND	10	10	100	10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100	10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100	10	100		70-130	0		20
Methyl tert butyl ether	ND	10	10	100	9.7	97		63-130	3		20
p/m-Xylene	ND	20	23	115	22	110		70-130	4		20
o-Xylene	ND	20	23	115	22	110		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110	10	100		70-130	10		20
Styrene	ND	20	23	115	22	110		70-130	4		20
Dichlorodifluoromethane	ND	10	10	100	10	100		36-147	0		20
Acetone	ND	10	12	120	13	130		58-148	8		20
Carbon disulfide	ND	10	11	110	11	110		51-130	0		20
2-Butanone	ND	10	12	120	12	120		63-138	0		20
4-Methyl-2-pentanone	ND	10	11	110	10	100		59-130	10		20
2-Hexanone	ND	10	10	100	9.8	98		57-130	2		20
Bromochloromethane	ND	10	11	110	11	110		70-130	0		20
1,2-Dibromoethane	ND	10	11	110	10	100		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	9.4	94	8.9	89		41-144	5		20
Isopropylbenzene	ND	10	10	100	10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.3	93	9.3	93		70-130	0		20



Matrix Spike Analysis

Project Name: Project Number:	MPC Q3 GRO 01304	JNDWATEF	R SAMPLING	l	Batch Q	uality Cor	ntrol		Lab Nur Report I	 	2437281 7/09/24
Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	Qual	RPD Limits

Volatile Organics by GC/MS MW-12 (070124)	- Westborough L	ab Associ	ated sample(s	s): 01-07 (QC Batch ID: WG19443	12-8 WG1944	312-9 QC Sample:	L2437281-04	Client ID:
1,2,4-Trichlorobenzene	ND	10	9.0	90	9.1	91	70-130	1	20
Methyl Acetate	ND	10	11	110	11	110	70-130	0	20
Cyclohexane	ND	10	13	130	12	120	70-130	8	20
1,4-Dioxane	ND	500	460	92	470	94	56-162	2	20
Freon-113	ND	10	11	110	10	100	70-130	10	20
Methyl cyclohexane	ND	10	10	100	10	100	70-130	0	20

	MS	MSD	Acceptance
Surrogate	% Recovery Qualifier	% Recovery Qualifier	Criteria
1,2-Dichloroethane-d4	115	114	70-130
4-Bromofluorobenzene	97	97	70-130
Dibromofluoromethane	112	104	70-130
Toluene-d8	103	102	70-130



Project Name: MPC Q3 GROUNDWATER SAMPLING Project Number: 01304

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
А	Absent
В	Absent
С	Absent

Container Information

Container Information				Initial	Final	Temp			Frozen		
	Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)	
	L2437281-01A	Vial HCl preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-01B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-01C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-02A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-02B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-02C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-03A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-03B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-03C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04A1	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04A2	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04B1	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04B2	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04C1	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-04C2	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-05A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-05B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	
	L2437281-05C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)	



Project Name:MPC Q3 GROUNDWATER SAMPLINGProject Number:01304

Container Information				Final	Temp			Frozen	
Container ID	Container Type	Cooler	pН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2437281-06A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2437281-06B	Vial HCl preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2437281-07A	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2437281-07B	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2437281-07C	Vial HCI preserved	А	NA		2.9	Y	Absent		NYTCL-8260-R2(14)



Project Name: MPC Q3 GROUNDWATER SAMPLING

Project Number: 01304

Lab Number: L2437281

Report Date: 07/09/24

GLOSSARY

Acronyms

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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 Q3 GROUNDWATER SAMPLING

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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 Waterpreserved 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).
- С - 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.
- Е - 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.
- н - 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.)



Project Name:MPC Q3 GROUNDWATER SAMPLINGProject Number:01304

 Lab Number:
 L2437281

 Report Date:
 07/09/24

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: <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. EPA 8270E: <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine. SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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.

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-03		124) duplicate	01101124	10:23	Wa	RH	X						
-04	MW-12 (070	1245	07101124	11:00	Wa	RH	X						
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ANALYTICAL REPORT

Lab Number:	L2453073
Client:	Environmental Advantage, Inc.
	3636 North Buffalo Road
	Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q3 2024 SSDS MONITORING
Project Number:	01304
Report Date:	09/24/24
Report Date:	09/24/24

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



Project Name:Q3 2024 SSDS MONITORINGProject Number:01304

 Lab Number:
 L2453073

 Report Date:
 09/24/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2453073-01	AREA A-POST(091624)	SOIL_VAPOR	1801 ELMWOOD AVE.	09/16/24 11:50	09/16/24
L2453073-02	AREA A-PRE(091624)	SOIL_VAPOR	1801 ELMWOOD AVE.	09/16/24 11:55	09/16/24



Project Name:Q3 2024 SSDS MONITORINGProject Number:01304

Lab Number: L2453073 Report Date: 09/24/24

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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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: Q3 2024 SSDS MONITORING Project Number: 01304
 Lab Number:
 L2453073

 Report Date:
 09/24/24

Case Narrative (continued)

Volatile Organics in Air

L2453073-01 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.

L2453073-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1975275-3 LCS recovery for 1,3-butadiene (140%), n-hexane (140%), 1,1,1-trichloroethane (135%), cyclohexane (142%), bromodichloromethane (150%), 1,4-dioxane (146%), 2,2,4-trimethylpentane (138%), and sec-butylbenzene (69%), associated with , is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Christoph J Christopher J. Anderson

Authorized Signature:

Title: Technical Director/Representative

Date: 09/24/24



AIR



Project Name:	Q3 2024 SSDS MONITORING	Lab Number:	L2453073
Project Number:	01304	Report Date:	09/24/24

SAMPLE RESULTS

Lab ID: Client ID: Sample Location:	L2453073-01 AREA A-POST(1801 ELMWOO						Collecte Receive Prep:	ed: 09/16	6/24 11:50 6/24 Specified
Sample Depth: Matrix: Anaytical Method: Analytical Date: Analyst:	Soil_Vapor 48,TO-15 09/22/24 23:09 KJD								
			ppbV			ug/m3			Dilution Factor
Parameter		Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in		ıb							
Dichlorodifluoromethane	9	0.470	0.200		2.32	0.989			1
Chloromethane		0.469	0.200		0.968	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		33.3	5.00		62.7	9.42			1
Vinyl bromide		ND	0.200		ND	0.874			1
Acetone		13.7	1.00		32.5	2.38			1
Trichlorofluoromethane		0.648	0.200		3.64	1.12			1
Isopropanol		93.2	0.500		229	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		1.05	0.500		3.65	1.74			1
3-Chloropropene		ND	0.200		ND	0.626			1
Carbon disulfide		3.30	0.200		10.3	0.623			1
Freon-113		ND	0.200		ND	1.53			1
trans-1,2-Dichloroethene	e	ND	0.200		ND	0.793			1
1,1-Dichloroethane		ND	0.200		ND	0.809			1
Methyl tert butyl ether		ND	0.200		ND	0.721			1
2-Butanone		ND	0.500		ND	1.47			1
cis-1,2-Dichloroethene		ND	0.200		ND	0.793			1



Project Name:	Q3 2024 SSDS MONITORING	Lab Number:	L2453073
Project Number:	01304	Report Date:	09/24/24

SAMPLE RESULTS

Lab ID:L2453073-01Client ID:AREA A-POST(091624)Sample Location:1801 ELMWOOD AVE.

Date Collected:09/16/24 11:50Date Received:09/16/24Field Prep:Not Specified

Sample Depth:

Sample Depth:		ppbV		ug/m3				Dilution
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Man	sfield Lab							
Ethyl Acetate	ND	0.500		ND	1.80			1
Chloroform	ND	0.200		ND	0.977			1
Tetrahydrofuran	ND	0.500		ND	1.47			1
1,2-Dichloroethane	ND	0.200		ND	0.809			1
n-Hexane	3.74	0.200		13.2	0.705			1
1,1,1-Trichloroethane	ND	0.200		ND	1.09			1
Benzene	1.10	0.200		3.51	0.639			1
Carbon tetrachloride	ND	0.200		ND	1.26			1
Cyclohexane	0.300	0.200		1.03	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	0.345	0.200		1.61	0.934			1
Heptane	0.672	0.200		2.75	0.820			1
cis-1,3-Dichloropropene	ND	0.200		ND	0.908			1
4-Methyl-2-pentanone	1.58	0.500		6.48	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	6.28	0.200		23.7	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	2.42	0.200		10.5	0.869			1



09/16/24 11:50 09/16/24 Not Specified

Project Name:	Q3 2024 SSDS MONITORING	Lab Number:	L2453073
Project Number:	01304	Report Date:	09/24/24

SAMPLE RESULTS

Lab ID:	L2453073-01	Date Collected:	
Client ID:	AREA A-POST(091624)	Date Received:	
Sample Location:	1801 ELMWOOD AVE.	Field Prep:	

Sample Depth:

Sample Depth:								
-	ppbV			ug/m3			Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mans	field Lab							
p/m-Xylene	11.8	0.400		51.3	1.74			1
Bromoform	ND	0.200		ND	2.07			1
Styrene	ND	0.200		ND	0.852			1
1,1,2,2-Tetrachloroethane	ND	0.200		ND	1.37			1
o-Xylene	3.77	0.200		16.4	0.869			1
4-Ethyltoluene	0.595	0.200		2.93	0.983			1
1,3,5-Trimethylbenzene	0.733	0.200		3.60	0.983			1
1,2,4-Trimethylbenzene	2.92	0.200		14.4	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria		
1,4-Difluorobenzene	97		60-140		
Bromochloromethane	98		60-140		
chlorobenzene-d5	98		60-140		



Project Name:	Q3 2024 SSDS MONITORING	Lab Number:	L2453073
Project Number:	01304	Report Date:	09/24/24

SAMPLE RESULTS

Lab ID: Client ID: Sample Location:	L2453073-02 D AREA A-PRE(091624) 1801 ELMWOOD AVE.		Date Collected: Date Received: Field Prep:	09/16/24 11:55 09/16/24 Not Specified
Sample Depth: Matrix: Anaytical Method: Analytical Date: Analyst:	Soil_Vapor 48,TO-15 09/23/24 07:15 KJD			
		Vdqq	uq/m3	Dilution

		ppbV			ug/m3			Dilution
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mar	nsfield Lab							
Dichlorodifluoromethane	0.478	0.476		2.36	2.35			2.381
Chloromethane	ND	0.476		ND	0.983			2.381
Freon-114	ND	0.476		ND	3.33			2.381
Vinyl chloride	ND	0.476		ND	1.22			2.381
1,3-Butadiene	ND	0.476		ND	1.05			2.381
Bromomethane	ND	0.476		ND	1.85			2.381
Chloroethane	ND	0.476		ND	1.26			2.381
Ethanol	31.7	11.9		59.7	22.4			2.381
Vinyl bromide	ND	0.476		ND	2.08			2.381
Acetone	82.1	2.38		195	5.65			2.381
Trichlorofluoromethane	0.998	0.476		5.61	2.67			2.381
Isopropanol	455	1.19		1120	2.93			2.381
1,1-Dichloroethene	ND	0.476		ND	1.89			2.381
Tertiary butyl Alcohol	3.61	1.19		10.9	3.61			2.381
Methylene chloride	ND	1.19		ND	4.13			2.381
3-Chloropropene	ND	0.476		ND	1.49			2.381
Carbon disulfide	1.18	0.476		3.67	1.48			2.381
Freon-113	ND	0.476		ND	3.65			2.381
trans-1,2-Dichloroethene	ND	0.476		ND	1.89			2.381
1,1-Dichloroethane	ND	0.476		ND	1.93			2.381
Methyl tert butyl ether	ND	0.476		ND	1.72			2.381
2-Butanone	1.48	1.19		4.36	3.51			2.381
cis-1,2-Dichloroethene	1.08	0.476		4.28	1.89			2.381



09/16/24 11:55

Not Specified

09/16/24

Project Name:	Q3 2024 SSDS MONITORING
Project Number:	01304

 Lab Number:
 L2453073

 Report Date:
 09/24/24

Date Collected:

Date Received:

Field Prep:

SAMPLE RESULTS

Lab ID:	L2453073-02 D
Client ID:	AREA A-PRE(091624)
Sample Location:	1801 ELMWOOD AVE.

Sample Depth:

Sample Depth:	ppbV				ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mans	field Lab							
Ethyl Acetate	ND	1.19		ND	4.29			2.381
Chloroform	0.514	0.476		2.51	2.32			2.381
Tetrahydrofuran	ND	1.19		ND	3.51			2.381
1,2-Dichloroethane	ND	0.476		ND	1.93			2.381
n-Hexane	7.37	0.476		26.0	1.68			2.381
1,1,1-Trichloroethane	ND	0.476		ND	2.60			2.381
Benzene	0.683	0.476		2.18	1.52			2.381
Carbon tetrachloride	ND	0.476		ND	2.99			2.381
Cyclohexane	1.78	0.476		6.13	1.64			2.381
1,2-Dichloropropane	ND	0.476		ND	2.20			2.381
Bromodichloromethane	ND	0.476		ND	3.19			2.381
1,4-Dioxane	ND	0.476		ND	1.72			2.381
Trichloroethene	74.4	0.476		400	2.56			2.381
2,2,4-Trimethylpentane	0.540	0.476		2.52	2.22			2.381
Heptane	2.79	0.476		11.4	1.95			2.381
cis-1,3-Dichloropropene	ND	0.476		ND	2.16			2.381
4-Methyl-2-pentanone	2.01	1.19		8.24	4.88			2.381
trans-1,3-Dichloropropene	ND	0.476		ND	2.16			2.381
1,1,2-Trichloroethane	ND	0.476		ND	2.60			2.381
Toluene	5.84	0.476		22.0	1.79			2.381
2-Hexanone	ND	0.476		ND	1.95			2.381
Dibromochloromethane	ND	0.476		ND	4.06			2.381
1,2-Dibromoethane	ND	0.476		ND	3.66			2.381
Tetrachloroethene	ND	0.476		ND	3.23			2.381
Chlorobenzene	ND	0.476		ND	2.19			2.381
Ethylbenzene	2.23	0.476		9.69	2.07			2.381



Project Name:	Q3 2024 SSDS MONITORING
Project Number:	01304

 Lab Number:
 L2453073

 Report Date:
 09/24/24

SAMPLE RESULTS

Lab ID:	L2453073-02 D	Date Collected:	09/16/24 11:55
Client ID:	AREA A-PRE(091624)	Date Received:	09/16/24
Sample Location:	1801 ELMWOOD AVE.	Field Prep:	Not Specified

Sample Depth:

Sample Depth:								
		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mans	field Lab							
p/m-Xylene	10.1	0.952		43.9	4.14			2.381
Bromoform	ND	0.476		ND	4.92			2.381
Styrene	ND	0.476		ND	2.03			2.381
1,1,2,2-Tetrachloroethane	ND	0.476		ND	3.27			2.381
o-Xylene	3.32	0.476		14.4	2.07			2.381
4-Ethyltoluene	1.77	0.476		8.70	2.34			2.381
1,3,5-Trimethylbenzene	0.860	0.476		4.23	2.34			2.381
1,2,4-Trimethylbenzene	3.33	0.476		16.4	2.34			2.381
Benzyl chloride	ND	0.476		ND	2.46			2.381
1,3-Dichlorobenzene	ND	0.476		ND	2.86			2.381
1,4-Dichlorobenzene	ND	0.476		ND	2.86			2.381
1,2-Dichlorobenzene	ND	0.476		ND	2.86			2.381
1,2,4-Trichlorobenzene	ND	0.476		ND	3.53			2.381
Naphthalene	ND	0.476		ND	2.50			2.381
Hexachlorobutadiene	ND	0.476		ND	5.08			2.381

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



 Lab Number:
 L2453073

 Report Date:
 09/24/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 09/22/24 16:40

		ppbV				ug/m3		
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air	- Mansfield Lab for san	nple(s): 01	-02 Batch:	WG19748	841-4			
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



 Lab Number:
 L2453073

 Report Date:
 09/24/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 09/22/24 16:40

		ррьV				ug/m3		
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air	- Mansfield Lab for samp	ole(s): 01-0	02 Batch:	WG19748	41-4			
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



 Lab Number:
 L2453073

 Report Date:
 09/24/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15 Analytical Date: 09/22/24 16:40

		ppbV			ug/m3		Dilution	
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Factor
Volatile Organics in Air - Mansf	ield Lab for samp	ole(s): 01-	02 Batch	n: WG19748	41-4			
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: Q3 2024 SSDS MONITORING

Project Number: 01304

Parameter

 Lab Number:
 L2453073

 Report Date:
 09/24/24

LCSD %Recovery RPD %Recovery Qual Limits RPD Qual Limits

Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1974841-3

LCS

%Recovery

Qual

5				
Dichlorodifluoromethane	108	-	70-130	-
Chloromethane	106	-	70-130	-
Freon-114	117	-	70-130	-
Vinyl chloride	110	-	70-130	-
1,3-Butadiene	123	-	70-130	-
Bromomethane	108	-	70-130	-
Chloroethane	105	-	70-130	-
Ethanol	110	-	40-160	-
Vinyl bromide	96	-	70-130	-
Acetone	101	-	40-160	-
Trichlorofluoromethane	106	-	70-130	-
Isopropanol	88	-	40-160	-
1,1-Dichloroethene	109	-	70-130	-
Tertiary butyl Alcohol	82	-	70-130	-
Methylene chloride	107	-	70-130	-
3-Chloropropene	108	-	70-130	-
Carbon disulfide	107	-	70-130	-
Freon-113	104	-	70-130	-
trans-1,2-Dichloroethene	101	-	70-130	-
1,1-Dichloroethane	104	-	70-130	-
Methyl tert butyl ether	91	-	70-130	-
2-Butanone	96	-	70-130	-
cis-1,2-Dichloroethene	106	-	70-130	-



Lab Control Sample Analysis Batch Quality Control

Project Name: Q3 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2453073

Report Date: 09/24/24

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
olatile Organics in Air - Mansfield Lab A	Associated sample(s):	01-02	Batch: WG197484	11-3				
Ethyl Acetate	110		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	114		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
Benzene	110		-		70-130	-		
Carbon tetrachloride	119		-		70-130	-		
Cyclohexane	114		-		70-130	-		
1,2-Dichloropropane	108		-		70-130	-		
Bromodichloromethane	119		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	107		-		70-130	-		
2,2,4-Trimethylpentane	114		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	116		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	115		-		70-130	-		
Dibromochloromethane	117		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		



Lab Control Sample Analysis Batch Quality Control

Project Name: Q3 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2453073

Report Date: 09/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab A	ssociated sample(s):	01-02	Batch: WG197484	1-3				
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	110		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	105		-		70-130	-		
Naphthalene	94		-		70-130	-		
Hexachlorobutadiene	106		-		70-130	-		



Sample Receipt and Container Information

Were project specific reporting limits specified?

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container info	rmation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	pН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2453073-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2453073-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2453073-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2453073-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

YES



Serial_No:09242417:00

Project Name: Q3 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2453073

Report Date: 09/24/24

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.
	list (ICL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: Q3 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2453073

Report Date: 09/24/24

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 Waterpreserved 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).
- С - 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.
- Е - 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.
- Н - 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).
- Μ - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: Q3 2024 SSDS MONITORING

Project Number: 01304

Lab Number: L2453073

Report Date: 09/24/24

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.)



 Lab Number:
 L2453073

 Report Date:
 09/24/24

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: <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. EPA 8270E: <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine. SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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.

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