



Advanced Environmental Concepts, Inc.

1751-1 Pulaski Hwy Havre De Grace, MD 21078 (410) 939-5550

Title:

Q2 2025 Sampling Report

Project Site:

Charlie's Service Center
11024 Liberty Rd
Randallstown, MD 21133

MDE Case # 95-1777-BA

Prepared for:

Mr. Chris Brocato
11024 Liberty Rd
Randallstown, MD 21133

July 17, 2025

SIGNATURE SHEET

Prepared by:

Name: Greg Beal

Company: Advanced Environmental Concepts, Inc.

Address: 1751-1 Pulaski Highway

City/State/Zip: Havre De Grace, Maryland 21078

Telephone: (410) 939-5550

Table of Contents

1.0 INTRODUCTION	1
1.1 Purpose	1
1.2 Scope of Services	1
1.3 Chronology of significant events:	1
2.0 DOMESTIC SUPPLY WELL SAMPLING ACTIVITIES	2
3.0 MONITORING WELL SAMPLING ACTIVITIES	3
4.0 EVALUATION AND PRESENTATION OF RESULTS	3
4.1 Monitoring Well Sampling Results	3
4.2 Domestic Supply Well Sampling Results	3
5.0 FUTURE ACTIVITIES	5
6.0 APPENDICES	5
Appendix A	6
Figures and Drawings	6
Appendix B	7
Tables	7
Appendix C	8
Report of Analysis and Chain of Custody	8

1.0 INTRODUCTION

1.1 Purpose

This Q2 2025 Sampling Report is meant to satisfy the requirements set forth by the Maryland Department of the Environment (MDE). All sampling activities were conducted at the Charlie's Service Station located at 11024 Liberty Road Randallstown; Maryland 21133 referred to herein as the "site".

1.2 Scope of Services

This report prepared by Advanced Environmental Concepts, Inc. (AEC) is providing documentation of the scope of service which consisted of

- The sampling of the site's MW network and POET system
- The sampling of the POET system servicing 4507 Wards Chapel Rd.

1.3 Chronology of significant events:

- 4/8/2022
MW-3 was replaced with MW-3R due to MW-3's insufficient depth
- 4/19/2022
AEC, Inc. sampled the supply wells servicing
 - 4507 Wards Chapel Rd.
 - 11024 Liberty Rd (Charlies Service Station)
 - 1102 Liberty Rd
 - And the MW network at 11024 Liberty Rd.
 - MW-3 was abandoned
- 5/2/2022
AEC, Inc. identified concentrations of volatile organic compounds by EPA Method 524.2 of a magnitude that required dilution for proper quantification in samples collected from domestic supply wells (DSWs)servicing 11024 Liberty Rd. and 4507 Wards Chapel Rd. Randallstown, MD on 4/19/2022.

AEC, Inc. notified Andrew Miller (MDE OCP Section Chief) of the elevated concentrations and plans to reanalyze the samples with sufficient dilution in order to properly quantitate detected concentrations of volatile organic compounds by EPA Method 524.2.

Concentrations of the Compound MTBE were detected at 5,120ug/l, a concentration that significantly exceeds the MDE GNCS of 20ug/l, was detected in the DSW servicing 4507 Wards Chapel Rd.

Concentrations of the Compound MTBE were detected at 1,070ug/l, a concentration that significantly exceeds the MDE GNCS of 20ug/l, was detected in the DSW servicing 11024 Liberty Rd.

- 5/4/2022
Sampling was performed on the newly installed supply well servicing 11024 Liberty Rd.
- 5/9/2022
Supply well servicing 11023 Liberty Rd (Wards Chapel Preschool) was sampled.

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1751-1 Pulaski Highway
Havre De Grace, MD 21078
Charlie Service Q2
2025

- 5/10/2022
Confirmation sampling of the well servicing 4507 Wards Chapel Rd. was performed.
- 6/22/2022
AEC sampled the newly Installed POET system servicing 11024 Liberty Rd.
- 6/24/2022
Supply well servicing 11023 Liberty Rd (Wards Chapel Preschool) was sampled.
- 7/14/2022
The newly Installed POET system servicing 4507 Wards Chapel Rd was sampled.
- July of 2024 – Property owner installed VES on MW-3R

2.0 DOMESTIC SUPPLY WELL SAMPLING ACTIVITIES

On 6/27/2025, AEC personnel arrived on site to complete the scope of work, which included the sampling of the POET Systems servicing 11024 Liberty Rd. (Charlies Service Station) and 4507 Wards Chapel Rd.

The following table summarizes the sampling event history for 11024 and 11023 Liberty Rd. and 4507 Wards Chapel Rd.

2022

Address	6/2022	7/2022	8/2022	9/2022	10/2022	11/2022	12/2022
11024 Liberty Rd	6/16		8/15	9/15	10/20	11/22	12/20
11023 Liberty Rd	6/24	7/14	8/15	9/15	10/20		
4507 Wards Chapel Rd			8/15	9/20	required samples	not	collected

2023

Address	3/2023	6/2023	7/2023	9/2023	12/2023
11024 Liberty Rd	3/22	6/13	NS	9/6/2023	12/22/2023
4507 Wards Chapel Rd	3/22	NS	7/10	9/6/2023	06/19/2024

2024

Address	3/2024	6/2024	9/2024	12/2024
11024 Liberty Rd	3/18	6/19	9/20	12/18
4507 Wards Chapel Rd	3/18	Not Sampled Property Vacant	Not Sampled Property Vacant	Not Sampled Property Vacant

2025

Address	3/2025	6/2025
11024 Liberty Rd	3/26	6/27
4507 Wards Chapel Rd	Not Sampled Property Vacant	Not Sampled Property Vacant

3.0 MONITORING WELL SAMPLING ACTIVITIES

On 06/27/2025, AEC personnel arrived on site to complete the scope of work, which included the gauging and sampling of three (3) site MWs.

Depth to groundwater was recorded and top of casing elevation data was collected for each MW. After gauging, the MWs were purged a total of three (3) well volumes with the use of an electric submersible pump with disposable vinyl tubing. Purged groundwater was treated with activated carbon before being discharged to the ground. A representative groundwater sample was then collected with a disposable polyethylene bailer. No samples were collected from the tank field MPs due to each of them being dry. The MW locations are represented in Appendix A.

The groundwater samples collected from MW-1 MW-2 and MW-3R were delivered to the laboratory on ice with a chain of custody record. All MW samples collected on-site were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260 and total petroleum hydrocarbons–diesel range organics and gasoline range organics (TPH-DRO/GRO) by EPA method 8015B.

Of note: the property owner installed a vapor extraction system on MW-3R. He stated that he installed the system in July of 2024 and that it has been operational since that time.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 Monitoring Well Sampling Results

Detectable concentrations of dissolved phase petroleum hydrocarbons were observed in the groundwater samples collected from

MW-3R

Date	TAA	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	TPH-GRO
06/27/2025	4440	24,800	58,000	27,200	122,000	9,120	356,200

A Quick Reference Analytical table can be found in Appendix B. A full Report of Analysis and Chain of Custody can be found in Appendix C.

4.2 Domestic Supply Well Sampling Results

Detectable concentrations of dissolved phase petroleum hydrocarbons were not observed in the groundwater samples collected from the influent of the POET system servicing 11024 Liberty Rd.

11024 Liberty Rd.

Date	MTBE	TAA	TBA	DIPE	TAME
10/20/22	9.42	<10	<10	.90	<.5
11/22/22	800	<10	8.82	6.34	6.31
12/20/22	580	<10	<10	4.87	1.78
03/22/23	41.8	<10	<10	<.5	<.5
06/13/23	890	16	438	9.9	14.3
09/06/23	624	<10	73.3	4.42	5.4
12/22/2023	345	<10	44.9	2.05	2.3
03/18/2024	442	<10	<10	3.44	3.87
06/19/2024	213	<10	<10	3.64	0.99
09/20/2024	228	<10	<10	3.3	<.5
12/18/2024	<.5	<10	<10	<.5	<.5
03/26/2025	<.5	<10	<10	<.5	<.5
06/27/2025	<.5	<10	<10	<.5	<.5

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1751-1 Pulaski Highway
Havre De Grace, MD 21078
Charlie Service Q2 2025

4507 Wards Chapel Rd.

Date	MTBE	TAA	TBA	DIPE	TAME
4/19/2022	5120	20.3	880	18.8	32.7
5/10/2022	970	73	<5	7.6	17.5
6/16/2022	1868	<10	201	9.16	14
7/14/2022	1298	<10	238	8.35	12.1
8/15/2022	709	<10	44.8	7.32	8.95
9/20/2022	670	<10	71.2	8.35	11.7
10/2022-12/2022	Samples not collected	Access Denied			
3/22/2023	1288	18.5	526	12.2	21.7
7/10/2023	386	<10	<10	4.03	<10
9/6/2023	766	<10	<10	8.69	10.5
12/22/2023	783	<10	<10	8.29	12.4
03/18/2024	375	<10	<10	3.34	0.55
06/19/2024	Samples not collected	Property Vacant			
09/20/2024	Samples not collected	Property Vacant			
12/18/2024	Samples not collected	Property Vacant			
03/26/2025	Samples not collected	Property Vacant			
06/27/2025	Samples not collected	Property Vacant			

11024 Liberty Rd.

The concentrations of dissolved phase petroleum hydrocarbons observed in the groundwater samples collected from the effluent of the POET systems sampled on 06/27/2025 are summarized below.

Date	MTBE	TAA	TBA	DIPE	TAME
10/20/22	<.5	<10	<10	<.5	<.5
11/22/22	<.5	<10	<10	<.5	<.5
12/20/22	<.5	<10	<10	<.5	<.5
03/22/23	40.4	<10	70.4	<.5	<.5
06/13/23	1.59	<10	<10	<.5	<.5
9/6/2023	<.5	<10	<10	<.5	<.5
12/22/23	<.5	<10	<10	<.5	<.5
03/18/24	1.46	<10	<10	<.5	<.5
06/19/24	1.67	<10	<10	<.5	<.5
9/20/2024	1.58	<10	<10	<.5	<.5
12/18/2024	<.5	<10	<10	<.5	<.5
03/26/2025	<.5	<10	<10	<.5	<.5
06/27/2025	11.6	<10	12.8	<.5	<.5

4507 Wards Chapel Rd.

Detectable concentrations of dissolved phase petroleum hydrocarbons were not observed in the groundwater samples collected from the effluent of the POET systems sampled on 06/27/2025.

Date	MTBE	TAA	TBA	DIPE	TAME
7/14/2022	<.5	<10	<10	<.5	<.5
8/15/2022	<.5	<10	<10	<.5	<.5
3/22/2023	<.5	<10	370	<.5	<.5
7/10/2023	.65	<10	<10	<.5	<.5
9/6/2023	<.5	<10	102	<.5	<.5
12/13/23	<.5	<10	32.5	<.5	<.5
03/18/24	<.5	<10	<10	<.5	<.5
06/19/24	Samples not collected	Property Vacant			
9/20/2024	Samples not collected	Property Vacant			

AEC, Inc
1751-1 Pulaski Highway
Havre De Grace, MD 21078
Charlie Service Q2 2025

12/18/2024	Samples not collected	Property Vacant			
03/26/2025	Samples not collected	Property Vacant			
06/27/2025	Samples not collected	Property Vacant			

A full Report of Analysis and Chain of Custody Records for samples analyzed by AEC, Inc. Laboratories can be found in Appendix C.

5.0 FUTURE ACTIVITIES

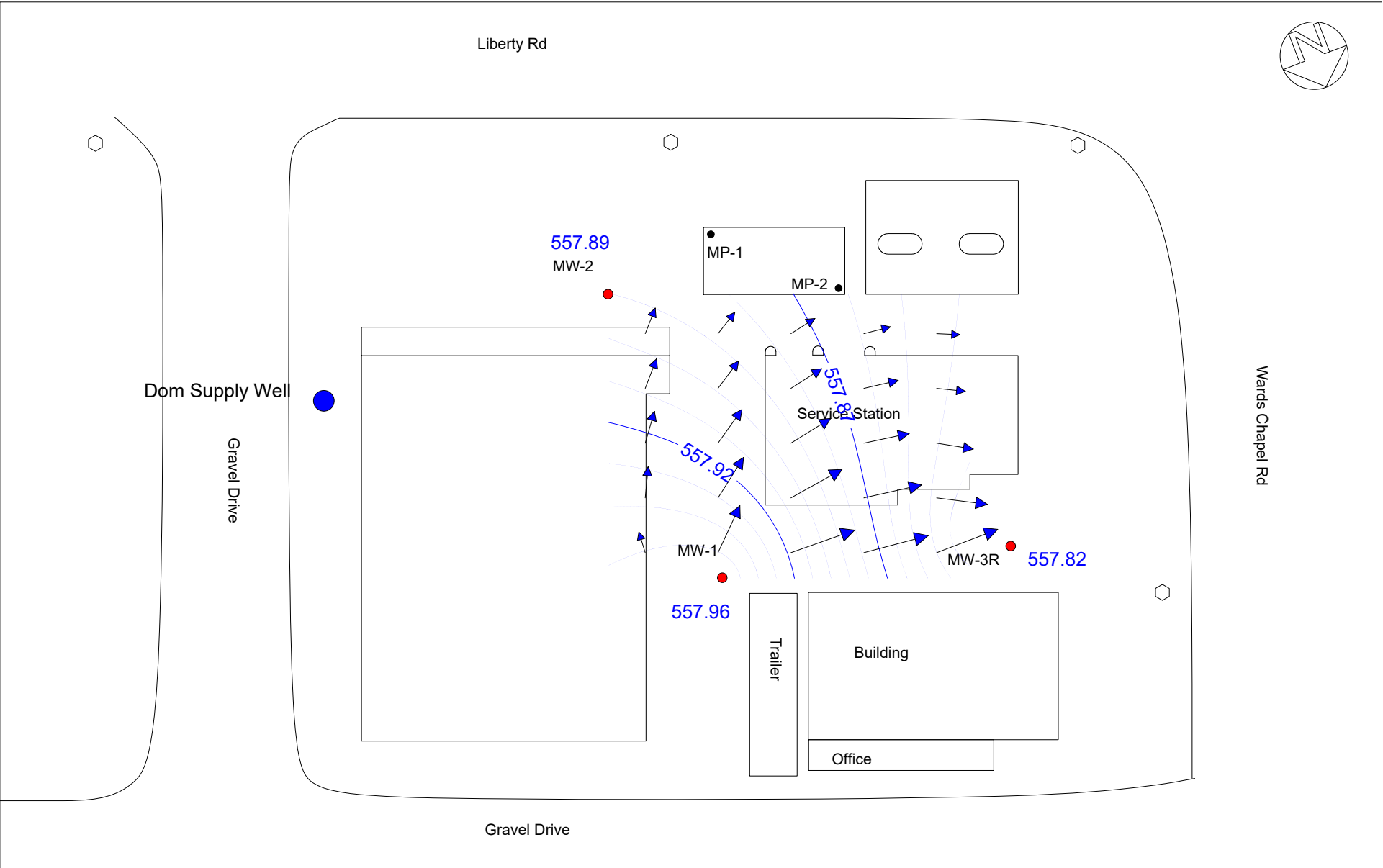
For all future site work, AEC, Inc is to receive approval from Mr. Brocato prior to the completion of all MDE requirements.

6.0 APPENDICES

- **Appendix A** – Site Map and Monitoring Well Locations
- **Appendix B** – Quick Reference Analytical Tables
- **Appendix C** – Reports of Analysis and Chain of Custody Records

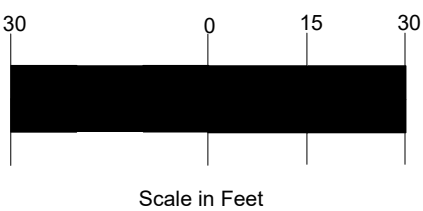
Appendix A

Figures and Drawings



Charles Service Station
11024 Liberty Rd. Randallstown, MD.
Groundwater Elevation Drawing
.01ft Contour Interval

Date	Q2 2025
Scale	1"=30ft
Drawing #	0532



Appendix B

Tables

Charlie's Service Station
Monitoring Well Sampling Summary Table

Sample	Date	DTGW	Groundwater Elevation	TBA	MTBE	DIPE	TAME	TAA	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	TPH-GRO
MDE GNCS for Type I & II Aquifers				NG	20	NG	NG	NG	5	1000	700	10000	0.65	47
MW-1	6/15/2007	25.09	562.00	ND	10.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOC	3/21/2008	29.79	557.30	ND	4.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
587.09	8/26/2008	29.14	557.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/4/2009	30.98	556.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/26/2010	25.14	561.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/29/2011	27.63	559.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/30/2012	24.79	562.30	53.7	48.7	ND	ND	ND	ND	ND	ND	ND	ND	NS
	6/14/2012	25.58	561.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/21/2012	26.68	560.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/21/2012	27.16	559.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/14/2014	25.57	561.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/12/2015	25.18	561.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/6/2017	28.58	558.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2/14/2018	29.78	557.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4/19/2022	28.13	558.96	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	6/24/2022	27.62	559.47	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	9/15/2022	28.34	558.75	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	12/20/2022	29.23	557.86	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	3/22/2023	29.00	558.09	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	6/13/2023	28.97	558.12	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	9/6/2023	29.56	557.53	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	12/13/2023	30.36	556.73	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	3/18/2024	28.32	558.77	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	6/19/2024	26.27	560.82	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	9/20/2024	26.43	560.66	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	12/18/2024	28.05	559.04	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	3/26/2025	29.3	557.79	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	6/27/2025	29.13	557.96	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40

Charlie's Service Station
Monitoring Well Sampling Summary Table

Sample	Date	DTGW	Groundwater Elevation	TBA	MTBE	DIPE	TAME	TAA	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	TPH-GRO
MDE GNCS for Type I & II Aquifers				NG	20	NG	NG	NG	5	1000	700	10000	0.65	47
	MW-2	5/31/2007	24.62	561.83	ND	2664	15.8	49.6	ND	ND	ND	ND	ND	2733
	6/15/2007	24.75	561.7											
	3/21/2008	29.45	557	6,360	7400	ND	86.9	180	ND	ND	ND	ND	ND	ND
	8/26/2008	28.80	557.65	10,600	8400	59.1	133	357	417	60.1	5.42	32.6	ND	20430
	3/4/2009	30.61	555.84	23,800	13720	92.7	195	721	ND	ND	ND	ND	ND	38760
	3/26/2010	24.72	561.73	42,600	23000	145	325	2,040	ND	ND	ND	ND	ND	NS
	3/29/2011	27.32	559.13	27,100	12560	75.4	161	768	ND	ND	ND	ND	ND	NS
	3/30/2012	24.47	561.98	16,600	12800	41.3	67.6	ND	ND	ND	ND	ND	ND	NS
	6/14/2012	25.33	561.12	13,120	11100	40.2	70.8	ND	ND	ND	ND	ND	ND	24440
	9/21/2012	26.86	559.59	17,880	10960	ND	ND	ND	ND	ND	ND	ND	ND	28840
	12/21/2012	26.72	559.73	13,800	6440	ND	ND	ND	ND	ND	ND	ND	ND	22500
	3/14/2014	24.95	561.5	16,920	7840	ND	54.9	ND	ND	ND	ND	ND	ND	NA
	3/12/2015	24.67	561.78	ND	720	ND	ND	ND	ND	ND	ND	ND	ND	780
	11/6/2017	28.22	558.23	ND	164	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOC	2/14/2018	29.36	557.09	ND	6.69	ND	ND	ND	ND	ND	ND	ND	ND	NS
586.47	4/19/2022	27.67	558.80	<25	2.18	9.4	<1	<25	<1	<1	<1	<1	<1	<40
	6/24/2022	27.14	559.33	<25	<1	6.71	<1	<25	<1	<1	<1	<1	<1	<40
	9/15/2022	27.93	558.54	<25	1.61	9.26	<1	<25	<1	<1	<1	<1	<1	<40
	12/20/2022	28.77	557.70	<25	1.47	8.64	<1	<25	<1	<1	<1	<1	<1	<40
	3/22/2023	28.74	557.73	<25	<1	6.26	<1	<25	<1	<1	<1	<1	<1	<40
	6/13/2023	28.48	557.99	<25	1.66	11.9	<1	<25	<1	<1	<1	<1	<1	<40
	9/6/2023	29.08	557.39	<25	1.30	11.2	<1	<25	<1	<1	<1	<1	<1	<40
	12/13/2023	29.95	556.52	<25	2.98	22.9	<1	<25	<1	<1	<1	<1	<1	<40
	3/18/2024	27.64	558.83	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	6/19/2024	26.03	560.44	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40
	9/20/2024	26.10	560.37	<25	<1	9.22	<1	<25	<1	<1	<1	<1	<1	<40
	12/18/2024	27.70	558.77	<25	<1	5.63	<1	<25	<1	<1	<1	<1	<1	<40
	3/26/2025	28.83	557.64	<25	<1	2.86	<1	<25	<1	<1	<1	<1	<1	<40
	6/27/2025	28.58	557.89	<25	<1	<1	<1	<25	<1	<1	<1	<1	<1	<40

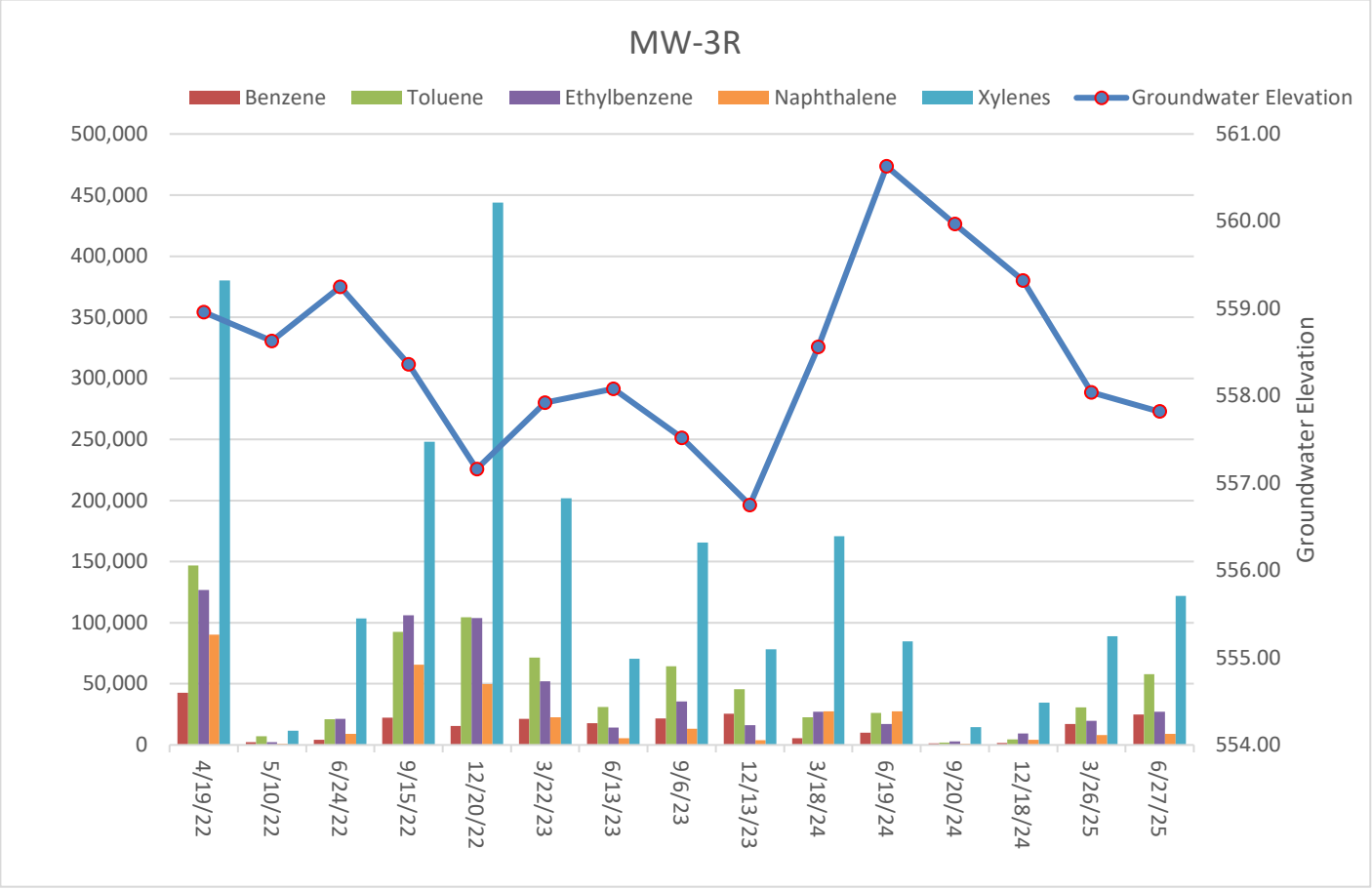
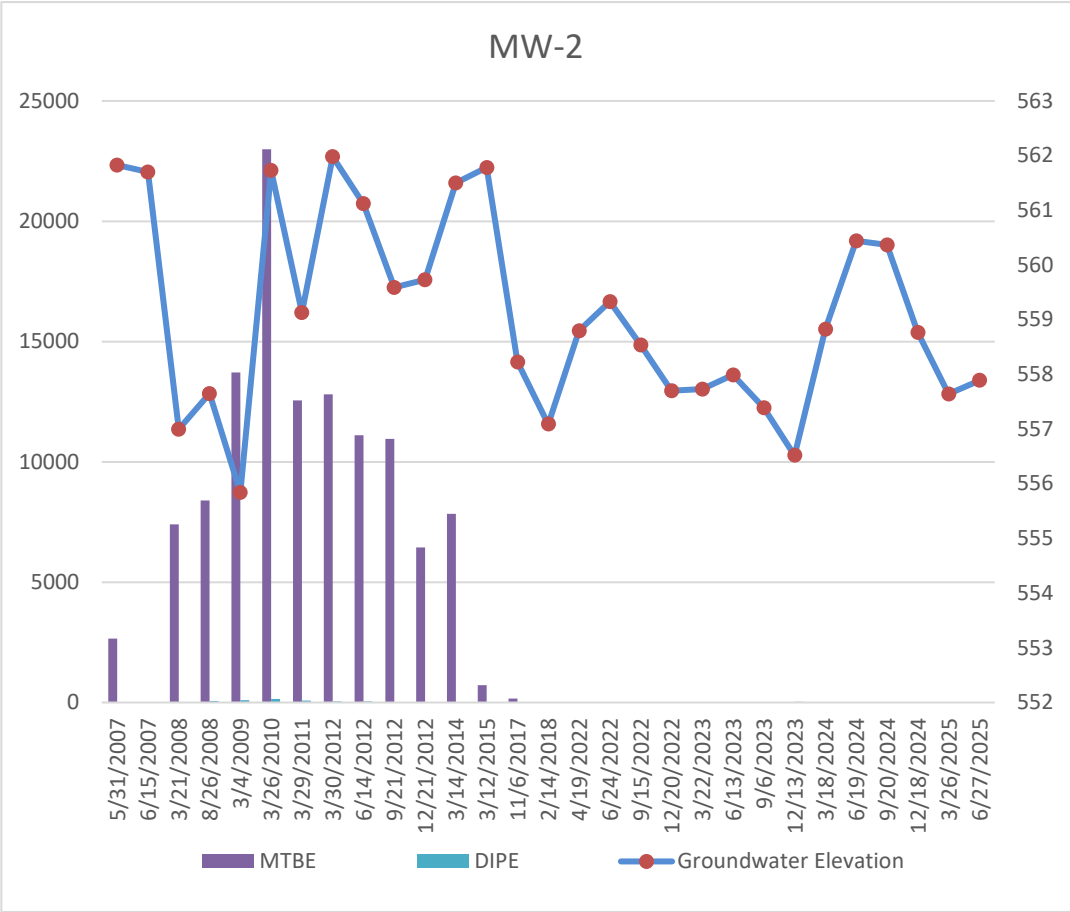
Charlie's Service Station
Monitoring Well Sampling Summary Table

Sample	Date	DTGW	Groundwater Elevation	TBA	MTBE	DIPE	TAME	TAA	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	TPH-GRO
MDE GNCS for Type I & II Aquifers				NG	20	NG	NG	NG	5	1000	700	10000	0.65	47
MW-3	5/31/2007	24.87	562.34	ND	ND	ND	ND	ND	238	350	771	5186	204	11650
TOC	6/15/2017	24.93	562.28											
	3/21/2008	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/2008	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/2009	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/26/2010	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/29/2011	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/30/2012	24.66	562.55	ND	ND	ND	ND	62	336	154	543	1372	186	NS
	6/14/2012	25.31	561.9	191	453	ND	ND	ND	71	33	239	520	50	3100
	9/21/2012	26.55	560.66	19	21	ND	ND	ND	46	33	117	286	29	2628
	12/21/2012	27.07	560.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/14/2014	27.50	559.71	ND	ND	ND	ND	ND	145	82	237	487	144	NA
	3/12/2015	25.15	562.06	ND	ND	ND	ND	ND	182	45	534	752	309	4550
	11/6/2017	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2018	Dry	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Abandoned														
MW-3R	4/19/2022	27.70	558.96	<25	<1	<1	<1	1,520	42,800	146,800	126,800	380,000	90,400	1,905,000
TOC	5/10/2022	28.03	558.63	<2500	<500	<500	<500	<2500	2,300	7,200	2,400	11,700	1,100	NA
586.66	6/24/2022	27.41	559.25	<25	<1	<1	<1	<25	4,120	21,120	21,360	103,600	9,200	354,700
	9/15/2022	28.30	558.36	<25	<1	<1	<1	<25	22,480	92,400	106,000	248,000	65,600	1,226,000
	12/20/2022	29.50	557.16	<25	<1	<1	<1	680	15,600	104,400	104,000	444,000	49,920	1,555,800
	3/22/2023	28.74	557.92	<25	<1	<1	<1	<25	21,290	71,600	52,000	202,000	22,800	755,200
	6/13/2023	28.58	558.08	<25	<1	<1	<1	<25	17,720	31,200	14,400	70,400	5,600	237,500
	9/6/2023	29.14	557.52	<25	<1	<1	<1	1360	21,600	64,400	35,600	165,600	13,200	578,500
	12/13/2023	29.91	556.75	<25	<1	<1	<1	<25	25,600	45,600	16,080	78,450	3,880	261,700
	3/18/2024	28.10	558.56	<25	<1	<1	<1	<25	5,600	22,800	27,200	170,800	27,600	573,700
	6/19/2024	26.03	560.63	<25	<1	<1	<1	1040	10,160	26,160	17,200	84,900	27,600	193,500
VES														
7/2024	9/20/2024	26.69	559.97	<25	<1	<1	<1	58	1,230	2,010	2,960	14,500	844	31,150
	12/18/2024	27.34	559.32	136	<1	<1	<1	<25	1,720	4,480	9,320	34,660	4,320	112,880
	3/26/2025	28.62	558.04	137	<1	<1	<1	1220	17,200	30,880	19,820	88,900	8,240	245,750
	6/27/2025	28.84	557.82	<25	<1	<1	<1	4440	24,800	58,000	27,200	122,000	9,120	356,200

*Concentrations in ug/L
*ND - Denotes concentrations below method detectable levels
*NS - Denotes no sample taken
Values exceeding the specified MDE criteria are **bolded**.

Charlie's Service Station
Monitoring Well Sampling Summary Table

Sample	Date	DTGW	Groundwater Elevation	TBA	MTBE	DIPE	TAME	TAA	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	TPH-GRO
MDE GNCS for Type I & II Aquifers				NG	20	NG	NG	NG	5	1000	700	10000	0.65	47



Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG
11024 Liberty Rd.	4/19/2022	<.5	<.5	<.5	<.5	1,070	<10	201	16.5	20.5
New Supply Well Installed	5/4/2022	<.5	<.5	<.5	<.5	3.81	<10	<10	2.61	<.5
1/20/2022	6/16/2022	<.5	<.5	<.5	<.5	<.5	<5	<5	<.5	<.5
	Caliber Dup	<.5	1.6	<.5	<.5	7.5	<5	<5	2.5	<.5
	6/16/2022	<.5	1.43	<.5	<.5	5.21	<10	<10	2.07	<.5
	7/14/2022	<.5	<.5	<.5	<.5	243	<10	10.4	4.95	<.5
	8/15/2022	<.5	<.5	<.5	<.5	562	<10	88.1	7.46	<.5
	9/15/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	1.17	<.5
	10/20/2022	<.5	<.5	<.5	<.5	9.42	<10	<10	0.9	<.5
	11/22/2022	<.5	<.5	<.5	<.5	800	<10	8.82	6.34	6.31
	12/20/2022	<.5	<.5	<.5	<.5	580	<10	<10	4.87	1.78
	3/22/2023	<.5	<.5	<.5	<.5	41.8	<10	<10	<.5	<.5
	6/13/2023	<.5	<.5	<.5	<.5	890	16.0	438	9.9	14.3
	9/6/2023	<.5	<.5	<.5	<.5	624	<10	73.3	4.42	5.4
	12/22/2023	<.5	<.5	<.5	<.5	345	<10	44.9	2.05	2.3
	3/18/2024	<.5	<.5	<.5	<.5	442	<10	<10	3.44	3.87
	6/19/2024	<.5	0.59	<.5	<.5	213	<10	<10	3.64	0.99
	9/20/2024	<.5	<.5	<.5	<.5	228	<10	<10	3.3	<.5
	12/18/2024	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/26/2025	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	6/27/2025	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5

Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG
11024 Liberty Rd. Int 1	7/14/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	8/15/2022	<.5	<.5	<.5	<.5	0.9	<10	<10	<.5	<.5
	6/13/2023	<.5	<.5	<.5	<.5	1.9	<10	<10	<.5	<.5
	9/6/2023	<.5	<.5	<.5	<.5	21.3	<10	<10	<.5	<.5
	6/19/2024	<.5	<.5	<.5	<.5	15.3	<10	10.2	<.5	<.5
11024 Liberty Rd. Int 2	9/15/2022	<.5	<.5	<.5	<.5	<.5	13.9	<10	<.5	<.5
	10/20/2022	<.5	<.5	<.5	<.5	<.5	<.5	<10	<.5	<.5
	11/22/2022	<.5	<.5	<.5	<.5	<.5	13.3	<10	<.5	<.5
	12/20/2022	<.5	<.5	<.5	<.5	<.5	<.5	<10	<.5	<.5
	3/22/2023	<.5	<.5	<.5	<.5	11.3	<.5	32.3	<.5	<.5
	12/22/2023	<.5	<.5	<.5	<.5	3.13	<.5	11.4	<.5	<.5
	3/18/2024	<.5	<.5	<.5	<.5	<.5	<.5	<10	<.5	<.5
	6/19/2024	<.5	<.5	<.5	<.5	4.67	<.5	<10	<.5	<.5
	9/20/2024	<.5	<.5	<.5	<.5	1.29	<.5	<10	<.5	<.5
	3/26/2025	<.5	<.5	<.5	<.5	10.9	<.5	<10	<.5	<.5

Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG
11024 Liberty Rd Eff	7/14/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	8/15/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	9/15/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	10/20/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	11/22/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	12/20/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/22/2023	<.5	<.5	<.5	<.5	40.4	<10	70.4	<.5	<.5
	6/13/2023	<.5	<.5	<.5	<.5	1.59	<10	<10	<.5	<.5
	9/6/2023	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	12/22/2023	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/18/2024	<.5	<.5	<.5	<.5	1.46	<10	<10	<.5	<.5
	6/19/2024	<.5	<.5	<.5	<.5	1.67	<10	<10	<.5	<.5
	9/20/2024	<.5	<.5	<.5	<.5	1.58	<10	<10	<.5	<.5
	12/18/2024	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/26/2025	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5

Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG
4507 Ward's Chapel	4/19/2022	<.5	<.5	<.5	<.5	5120	20.3	880	18.8	32.7
	5/10/2022	<.5	<.5	<.5	<.5	970	73	<5	7.6	17.5
	6/16/2022	<.5	<.5	<.5	<.5	1868	<10	201	9.16	14
	7/14/2022	<.5	<.5	<.5	<.5	1298	<10	238	8.35	12.1
	8/15/2022	<.5	<.5	<.5	<.5	709	<10	44.8	7.32	8.95
	9/20/2022	<.5	<.5	<.5	<.5	670	<10	71.2	8.35	11.7
	10/2022-12/2022	Samples not collected	Access Denied							
	3/22/2023	<.5	<.5	<.5	<.5	1288	18.5	526	12.2	21.7
	7/10/2023	<.5	<.5	<.5	<.5	386	<10	<10	4.03	<10
	9/6/2023	<.5	<.5	<.5	<.5	766	<10	<10	8.69	10.5
	12/13/2023	<.5	<.5	<.5	<.5	783	<10	<10	8.29	12.4
	3/18/2024	<.5	<.5	<.5	<.5	375	<10	<10	3.34	0.55
	6/19/2024	Samples not collected	Property Vacant							
	9/20/2024	Samples not collected	Property Vacant							

Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG
4507 Ward's Chapel Int 1	7/14/2022	<.5	<.5	<.5	<.5	1.63	<10	11.6	<.5	<.5
	8/15/2022	<.5	<.5	<.5	<.5	5.69	<10	36.3	<.5	<.5
	7/10/2023	<.5	<.5	<.5	<.5	<.5	<10	<.5	<.5	<.5
	9/6/2023	<.5	<.5	<.5	<.5	3.11	<10	14.3	<.5	<.5
4507 Ward's Chapel Int 2	9/20/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/22/2023	<.5	<.5	<.5	<.5	0.55	<10	397	<.5	<.5
	12/13/2023	<.5	<.5	<.5	<.5	3.16	<10	36.9	<.5	<.5
	3/18/2024	<.5	<.5	<.5	<.5	2.99	<10	<10	<.5	<.5
4507 Ward's Chapel EFF	7/14/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	8/15/2022	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	3/22/2023	<.5	<.5	<.5	<.5	<.5	<10	370	<.5	<.5
	7/10/2023	<.5	<.5	<.5	<.5	0.65	<10	<10	<.5	<.5
	9/6/2023	<.5	<.5	<.5	<.5	<.5	<10	102	<.5	<.5
	12/13/2023	<.5	<.5	<.5	<.5	<.5	<10	32.5	<.5	<.5
	3/18/2024	<.5	<.5	<.5	<.5	<.5	<10	<10	<.5	<.5
	6/19/2024	Samples not collected	Property Vacant							
	9/20/2024	Samples not collected	Property Vacant							

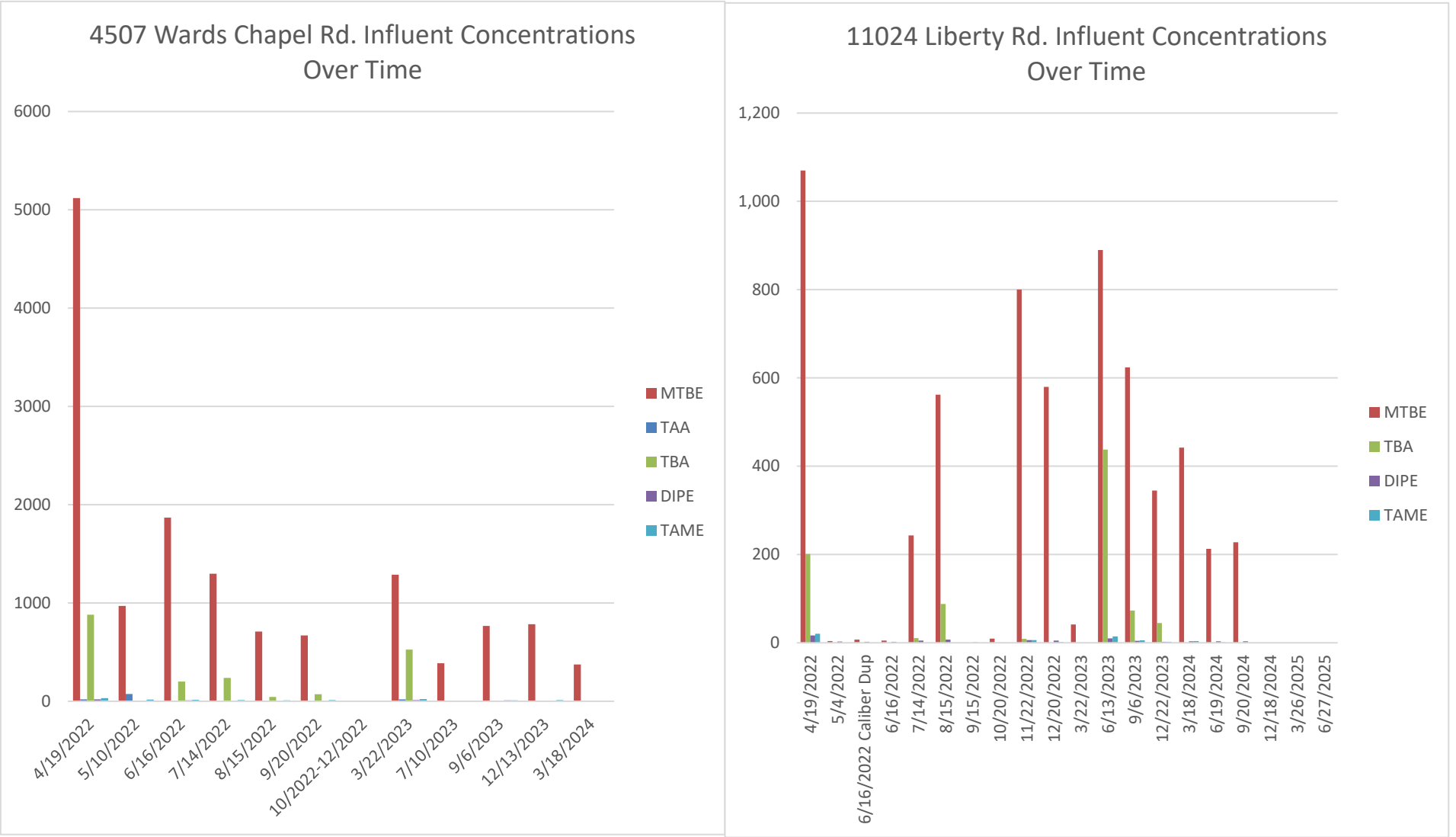
*Concentrations in ug/L

*ND - Denotes
concentrations below
method detectable levels

*NG - No
Guidance

Charlie's Service Station
Domestic Supply Well Analytical Summary Table

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TAA	TBA	DIPE	TAME
MDE GNCS for Type I & II Aquifers		5	1000	700	10000	20	NG	NG	NG	NG



Appendix C

Report of Analysis and Chain of Custody

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	11024 Liberty EFF water 6/27/2025 6/27/2025 na 7/2/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 70225A022
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	12.8	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	11.6	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification:	11024 Liberty EFF	Project Identification:	Charles Service Station
MATRIX:	water	Client Identification:	CHRIS BROCATO
Sample Date:	6/27/2025	Client Telephone:	
Date Received:	6/27/2025	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	7/2/2025	Lab File:	70225A022

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	107	EPA 524.2
Dibromofluoromethane	%	109	EPA 524.2
Toluene-d8	%	92	EPA 524.2
Bromofluorobenzene	%	94	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification:	11024 Liberty INT B	Project Identification:	Charles Service Station
MATRIX:	water	Client Identification:	CHRIS BROCATO
Sample Date:	6/27/2025	Client Telephone:	
Date Received:	6/27/2025	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	7/2/2025	Lab File:	70225A023

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	ND	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	11024 Liberty INT B water 6/27/2025 6/27/2025 na 7/2/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charlies Service Station CHRIS BROCATO MM 70225A023
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	107	EPA 524.2
Dibromofluoromethane	%	109	EPA 524.2
Toluene-d8	%	93	EPA 524.2
Bromofluorobenzene	%	98	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification:	11024 Liberty INF	Project Identification:	Charles Service Station
MATRIX:	water	Client Identification:	CHRIS BROCATO
Sample Date:	6/27/2025	Client Telephone:	
Date Received:	6/27/2025	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	7/2/2025	Lab File:	70225A024

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	ND	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	11024 Liberty INF water 6/27/2025 6/27/2025 na 7/2/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charlies Service Station CHRIS BROCATO MM 70225A024
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	107	EPA 524.2
Dibromofluoromethane	%	110	EPA 524.2
Toluene-d8	%	94	EPA 524.2
Bromofluorobenzene	%	95	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	TRIP BLANK water 6/27/2025 6/27/2025 na 7/2/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 70225A021
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	ND	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification:	TRIP BLANK	Project Identification:	Charles Service Station
MATRIX:	water	Client Identification:	CHRIS BROCATO
Sample Date:	6/27/2025	Client Telephone:	
Date Received:	6/27/2025	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	7/2/2025	Lab File:	70225A021

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	107	EPA 524.2
Dibromofluoromethane	%	110	EPA 524.2
Toluene-d8	%	94	EPA 524.2
Bromofluorobenzene	%	96	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	MW-1 water 6/27/2025 6/27/2025 6/27/2025 6/27/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 62725A033
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	MW-1 water 6/27/2025 6/27/2025 6/27/2025 6/27/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 62725A033
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	95	EPA 8260
Dibromofluoromethane	%	104	EPA 8260
TFT	%	111	EPA 8015B
Toluene-d8	%	94	EPA 8260
Bromofluorobenzene	%	96	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification:	MW-2	Project Identification:	Charles Service Station
MATRIX:	water	Client Identification:	CHRIS BROCATO
Sample Date:	6/27/2025	Client Telephone:	
Date Received:	6/27/2025	Client Fax:	
Extraction Date:	6/27/2025	Analyst:	MM
Analysis Date:	6/27/2025	Lab File:	62725A034

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	MW-2 water 6/27/2025 6/27/2025 6/27/2025 6/27/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charlies Service Station CHRIS BROCATO MM 62725A034
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	96	EPA 8260
Dibromofluoromethane	%	106	EPA 8260
TFT	%	111	EPA 8015B
Toluene-d8	%	94	EPA 8260
Bromofluorobenzene	%	95	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

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Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	MW-3R water 6/27/2025 6/27/2025 6/27/2025 6/27/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 62725A035
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	4440	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	24800	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	58000	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	27200	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services 1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552

Certificate of Analysis

Sample Identification: MATRIX: Sample Date: Date Received: Extraction Date: Analysis Date:	MW-3R water 6/27/2025 6/27/2025 6/27/2025 6/27/2025	Project Identification: Client Identification: Client Telephone: Client Fax: Analyst: Lab File:	Charles Service Station CHRIS BROCATO MM 62725A035
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COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	88000	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	34000	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	1150	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	2170	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	652	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	22400	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	244	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	9120	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	356200	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	96	EPA 8260
Dibromofluoromethane	%	106	EPA 8260
TFT	%	111	EPA 8015B
Toluene-d8	%	94	EPA 8260
Bromofluorobenzene	%	95	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

1751 E Pulaski Hwy., Havre de Grace, MD 21078-2207

Phone: 410-939-5550 Fax: 410-939-5552

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Chain of Custody Record

Page 1 of 1

Client: Chris Brocato			Project Name: Charlie's Service Station				SDG#				
Address:			Project Location:				Preservatives				
			11024 Liberty Rd. Randallstown, MD				HCL 1:1				
Contact:			Phone: Fax:				Requested Analysis				
			Email:				524.2 8260 8015 PRO/GRO				
Sample By: GB			Receive Completed Report Via (Circle One) U.S. Mail Email Fax				Observation				
	Sample #	Sample ID	Date	Time	Matrix	pH					
1		11024 Liberty Eff	06/27/25		Water	12	X				NO CHLORINE
2		11024 Liberty Rd Int B				12	X				
3		11024 Liberty Rd Inf				12	X				
4		Trip				12	X				
5		MW-1						X	X		4000
6		MW-2						X	X		
7		MW-3R						X	X		
8											
9											
10											
Relinquished/Received By Signature			Date	Time	Delivery Method		Lab Use Only				
Relinquished By: [Signature]			6/27/25				Temp of Cooler				
Received By: [Signature]							24°C				
Relinquished By: [Signature]							Ice Present (Y/N)				
Received By: [Signature]			6/27/25				Custody Seal (Y/N)				
Relinquished By: [Signature]							Date of Extraction 6/27/25 6/27/25				
Received By:											
Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other											
Special Instructions / Comments / QC Requirements:											
Turn Around Time: (STD) 1 Day 2 Day 3 Day Other											