



Advanced Environmental Concepts, Inc.

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*1751-1 Pulaski Highway      Havre de Grace, MD 21078 (410) 939-5550*

## **Groundwater Sampling Report Q2 2022**

Site Location:

Pantry One Food Mart  
1897 Conowingo Road  
Rising Sun, MD

MDE Case # 2019-0724-CE  
Facility ID: 11347

Prepared For:

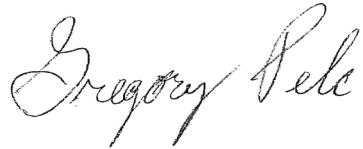
Mr. Aijaz Shaikh

July 20, 2022

**SIGNATURE SHEET**

Report Prepared by:

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A handwritten signature in cursive script that reads "Gregory Pelc". The signature is written in black ink and is positioned below the printed name.

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**Company:** Advanced Environmental Concepts, Inc.

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## 1.0 Introduction

This monitoring well (MW) sampling report has been prepared to satisfy the requirements set forth by the Maryland Department of the Environment (MDE) for the Pantry One Food Mart located at 1897 Conowingo Road, Rising Sun, MD; referred to herein as the "site".

## 2.0 Groundwater Monitoring

### 2.1 Monitoring Well Sampling & Gauging

On 6/21/2022 AEC personnel arrived on site to gauge and sample all site monitoring wells. Prior to sampling each well was gauged for presence/absence of LPH as well as depth to groundwater with an electronic oil/water interface meter. LPH was not detected in any of the site wells. After gauging, each well was purged a total of three well volumes of water. Purged groundwater was treated with activated carbon prior to being discharged to the ground. After purging, groundwater was allowed to recover to a minimum of 90% pre purge levels prior to sample collection. Groundwater samples were collected using pre-packaged, single use, disposable bailers and placed in laboratory supplied VOAs and then placed in a cooler with ice and chain of custody record for delivery to the laboratory. Groundwater samples collected were delivered to AEC's laboratory to be analyzed by EPA Method 8260 for volatile organic compounds (VOCs) and by EPA Method 8015 for total petroleum hydrocarbons - diesel and gasoline range organics (TPH-DRO/GRO).

### 2.2 Off Site Domestic Supply Well Sampling

On 6/21/2022 samples were collected from the POET system located at 1894 Conowingo Road.

Samples were collected using standard sampling procedure by an MDE certified drinking water sampler. Domestic supply wells samples collected were delivered to AEC's laboratory to be analyzed for VOCs by EPA Method 524.2.

## 3.0 Results of Groundwater Sampling

### 3.1 Groundwater Elevation

AEC constructed a groundwater elevation contour map based upon depth to groundwater measurements collected on 6/21/2022 which depicts groundwater flow to be to the north-northeast. Relative groundwater elevation observed during the sampling event ranged from 263.06 feet in MW-3 (highest) to 254.98 feet in MW-2 (lowest). The groundwater elevation contour map can be found in Appendix A.

### 3.2 Groundwater Sampling Results

Method detectable concentrations of VOCs were observed in the groundwater samples collected from MW-2 and MW-3. Method detectable concentrations were not observed in the sample collected at location MW-1.

Samples collected from MW-2 contained concentrations which exceed the MDE GNCS to include:

- Benzene – 72.9 ug/L
- Naphthalene – 92.6 ug/L
- TPH-GRO - 1730 ug/L

Samples collected from MW-3 contained concentrations which exceeded the MDE GNCS to include:

- Benzene – 93.4 ug/L
- Naphthalene – 32.3 ug/L
- MtBE – 22.0 ug/L
- TPH-GRO – 720 ug/L

A Quick Reference Groundwater Sampling Summary Table which summarizes groundwater sampling analytical results can be found in Appendix B. A full Report of Analysis and Chain of Custody Record can be found in Appendix C.

### **3.3 Off Site Domestic Supply Well Sampling Results**

Method detectable concentrations were observed in the samples collected pre and intermediate 1 treatment in the drinking water from the POET system located at 1894 Conowingo Road. Method detectable concentrations were not observed in the intermediate 2 and post treatment samples.

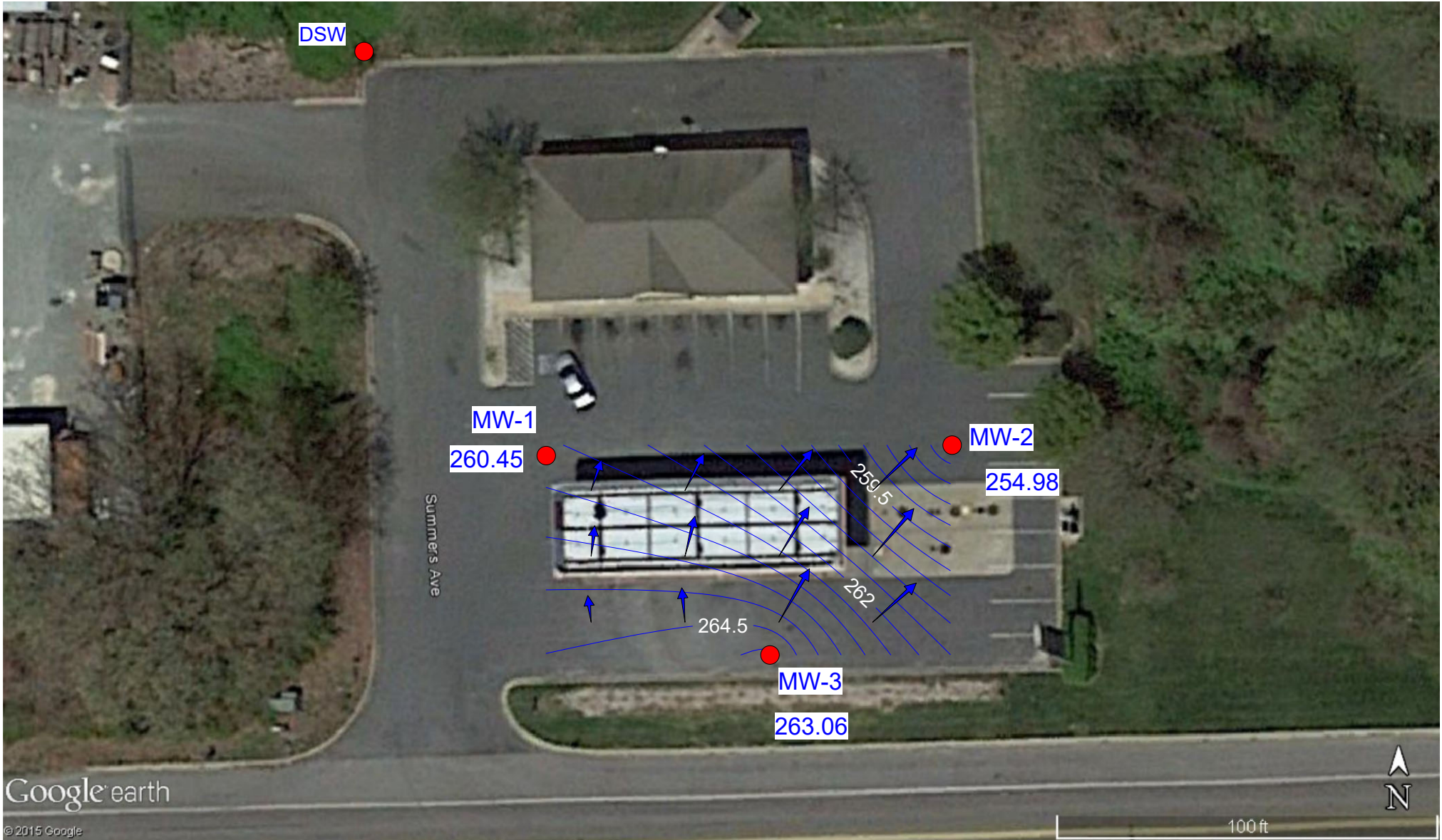
A Quick Reference Groundwater Sampling Summary Table which summarizes off site DSW sampling analytical results can be found in Appendix B. A full Report of Analysis and Chain of Custody Record can be found in Appendix C.

### **4.0 Future Activities**

The next quarterly sampling event is scheduled for September of 2022 to include the sampling of the DSW POET system located at 1894 Conowingo Road.

### **5.0 Appendices**

**Appendix A**  
**Site Maps**



**Pantry One Food Mart  
1897 Conowingo Road  
Rising Sun, MD 21911**

**Groundwater Elevation Contour Map  
Contour Interval = 0.5 ft  
June 2022**

**Appendix B**  
**Groundwater Gauging & Analytical Tables**



Pantry One Market  
 1897 Conowingo Road, Rising Sun, MD 21911  
 Monitoring Well Gauging Summary Table

Well ID	Date of Sample	Depth to Product	Depth to Groundwater	LPH Thickness	GW Elevation
MW-1	4/9/2015	ND	55.26	ND	259.74
TOC Elevation =	6/8/2016	ND	54.31	ND	260.69
315.00	6/10/2019	ND	47.70	ND	267.30
	9/11/2019	ND	50.05	ND	264.95
	12/18/2019	ND	59.50	ND	255.50
	3/26/2020	ND	57.77	ND	257.23
	6/25/2020	ND	54.90	ND	260.10
	11/4/2020	ND	57.47	ND	257.53
	3/19/2021	ND	54.44	ND	260.56
	9/9/2021	ND	52.32	ND	262.68
	6/21/2022	ND	54.55	ND	260.45
MW-2	4/9/2015	ND	59.21	ND	254.94
TOC Elevation =	6/8/2016	ND	58.72	ND	255.43
314.15	6/10/2019	ND	45.20	ND	268.95
	9/11/2019	ND	55.04	ND	259.11
	12/18/2019	ND	56.80	ND	257.35
	3/26/2020	ND	61.56	ND	252.59
	6/25/2020	ND	59.34	ND	254.81
	11/4/2020	ND	62.80	ND	251.35
	3/19/2021	ND	59.02	ND	255.13
	9/9/2021	ND	57.12	ND	257.03
	6/21/2022	ND	59.17	ND	254.98
MW-3	4/9/2015	ND	50.95	ND	262.49
TOC Elevation =	6/8/2016	ND	51.12	ND	262.32
313.44	6/10/2019	ND	46.67	ND	266.77
	9/11/2019	ND	48.10	ND	265.34
	12/18/2019	ND	49.67	ND	263.77
	3/26/2020	ND	54.47	ND	258.97
	6/25/2020	ND	50.26	ND	263.18
	11/4/2020	ND	50.59	ND	262.85
	3/19/2021	ND	48.92	ND	264.52
	9/9/2021	ND	48.31	ND	265.13
	6/21/2022	ND	50.38	ND	263.06

ND - Non-detect  
 NA - Not Applicable

Pantry One Market  
1897 Conowingo Road, Rising Sun, MD 21911  
Monitoring Well Sampling Analytical Summary Table

Well ID	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Naphthalene	MTBE	Ethanol	TBA	TPH-DRO	TPH-GRO
<b>MDE GNCS CLEANUP Type I&amp;II Aquifers</b>												
		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>NG</b>	<b>10</b>	<b>20</b>	<b>NG</b>	<b>NG</b>	<b>47</b>	<b>47</b>
MW-1	4/9/2015	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS
	6/8/2016	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS
	6/10/2019	<5	40.1	<5	7.11	47.2	<5	<5	NS	<50	NS	NS
	9/11/2019	<5	28.8	10.1	22.0	60.9	<5	<5	<10	<50	<500	<100
	12/18/2019	<5	<5	<5	< 10	< 25	<5	<5	<10	<50	<500	<100
	3/26/2020	<5	<5	<5	< 10	< 25	<5	<5	NS	<50	<500	<100
	6/25/2020	<5	<5	<5	< 10	< 25	<5	<5	NS	<50	<500	<100
	11/4/2020	<5	<5	<5	< 10	< 25	<5	<5	NS	<50	<500	<100
	3/19/2021	<1	<1	<1	< 3	< 6	<1	<1	NS	< 25	< 40	< 40
	9/9/2021	<1	<1	<1	< 3	< 6	<1	<1	<10	< 25	< 40	< 40
	6/21/2022	<1	<1	<1	< 3	< 6	<1	<1	<10	< 25	< 40	< 40
MW-2	4/9/2015	<b>37.1</b>	ND	6.84	5.16	49.1	5.16	ND	NS	6.74	NS	NS
	6/8/2016	<b>320</b>	25.3	197	350	892	<b>134</b>	12.8	NS	14.7	NS	NS
	6/10/2019	<b>2320</b>	<b>16100</b>	<b>2440</b>	<b>12020</b>	32880	<b>680</b>	<b>34.9</b>	NS	1,840	NS	NS
	9/11/2019	<b>232</b>	<5	387	946	1565	<b>193</b>	11.2	<10	910	<500	<b>7200</b>
	12/18/2019	<b>281</b>	<5	497	1093	1871	<b>82.6</b>	7.29	<10	153	<500	<b>4100</b>
	3/26/2020	<b>75.7</b>	124	73.5	177	450	<b>65.4</b>	7.55	NS	450	<500	<b>2460</b>
	6/25/2020	<b>45.4</b>	66.9	39.9	90.9	243	<b>31.2</b>	6.48	NS	538	<500	<b>2210</b>
	11/4/2020	<b>102</b>	28.4	63.3	213	407	<b>109</b>	10.8	NS	613	<500	<b>2670</b>
	3/19/2021	<b>114</b>	40.1	70.9	225	450	<b>116</b>	13.9	NS	91.1	< 40	<b>1550</b>
	9/9/2021	<b>224</b>	4.43	256	338	822	<b>210</b>	13.5	<10	128	< 40	<b>2200</b>
	6/21/2022	<b>72.9</b>	<1	85.7	136	295	<b>92.6</b>	17.9	<10	364	< 40	<b>1730</b>
MW-3	4/9/2015	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS
	6/8/2016	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS	NS
	6/10/2019	<b>9.21</b>	<5	<5	< 10	< 25	<5	<5	NS	<50	NS	NS
	9/11/2019	<b>79.3</b>	29.1	7.06	5.35	121	<5	<5	<10	<50	<500	<b>410</b>
	12/18/2019	<b>106</b>	8.29	<5	7.53	122	<5	<5	<10	<50	<500	<b>220</b>
	3/26/2020	<b>215</b>	<5	<5	< 10	215	<5	<5	NS	<50	<500	<b>740</b>
	6/25/2020	<b>193</b>	10.0	<5	< 10	203	<5	<5	NS	<50	<500	<b>520</b>
	11/4/2020	<b>125</b>	<5	<5	< 10	125	<5	<5	NS	<50	<500	<b>310</b>
	3/19/2021	<b>67.5</b>	<1	<1	< 3	67.5	<1	2.62	NS	< 25	< 40	<b>140</b>
	9/9/2021	<b>13.1</b>	<1	<1	< 3	13.1	<1	1.87	<10	< 25	< 40	<b>70.2</b>
6/21/2022	<b>93.4</b>	12.9	100	34.5	241	<b>32.3</b>	<b>22.0</b>	<10	25.7	< 40	<b>720</b>	

Groundwater Sampling Data reported in ug/L

Values exceeding the specified MDE criteria are **bolded**

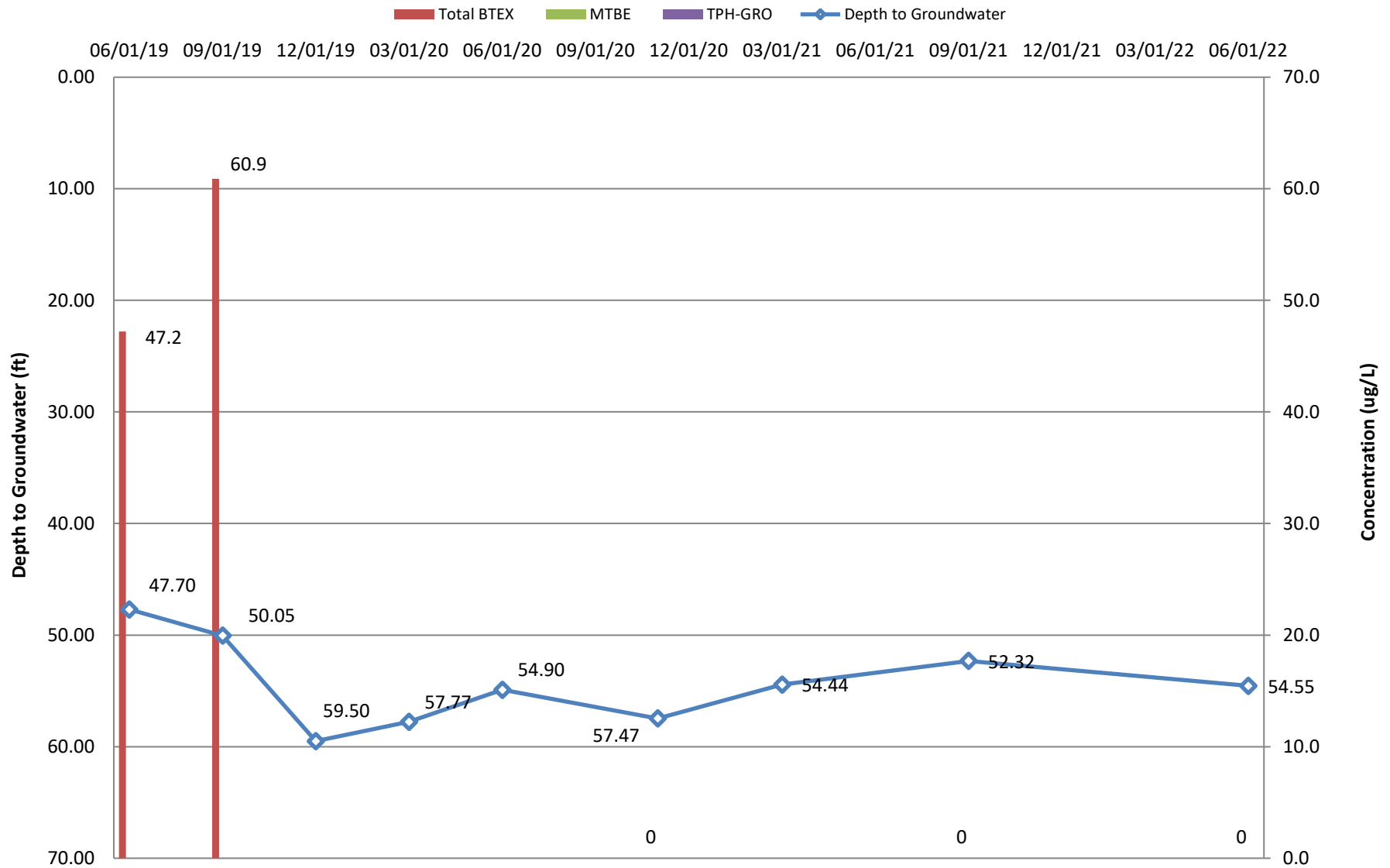
ND - Concentrations below method detectable levels

NA - Not Applicable

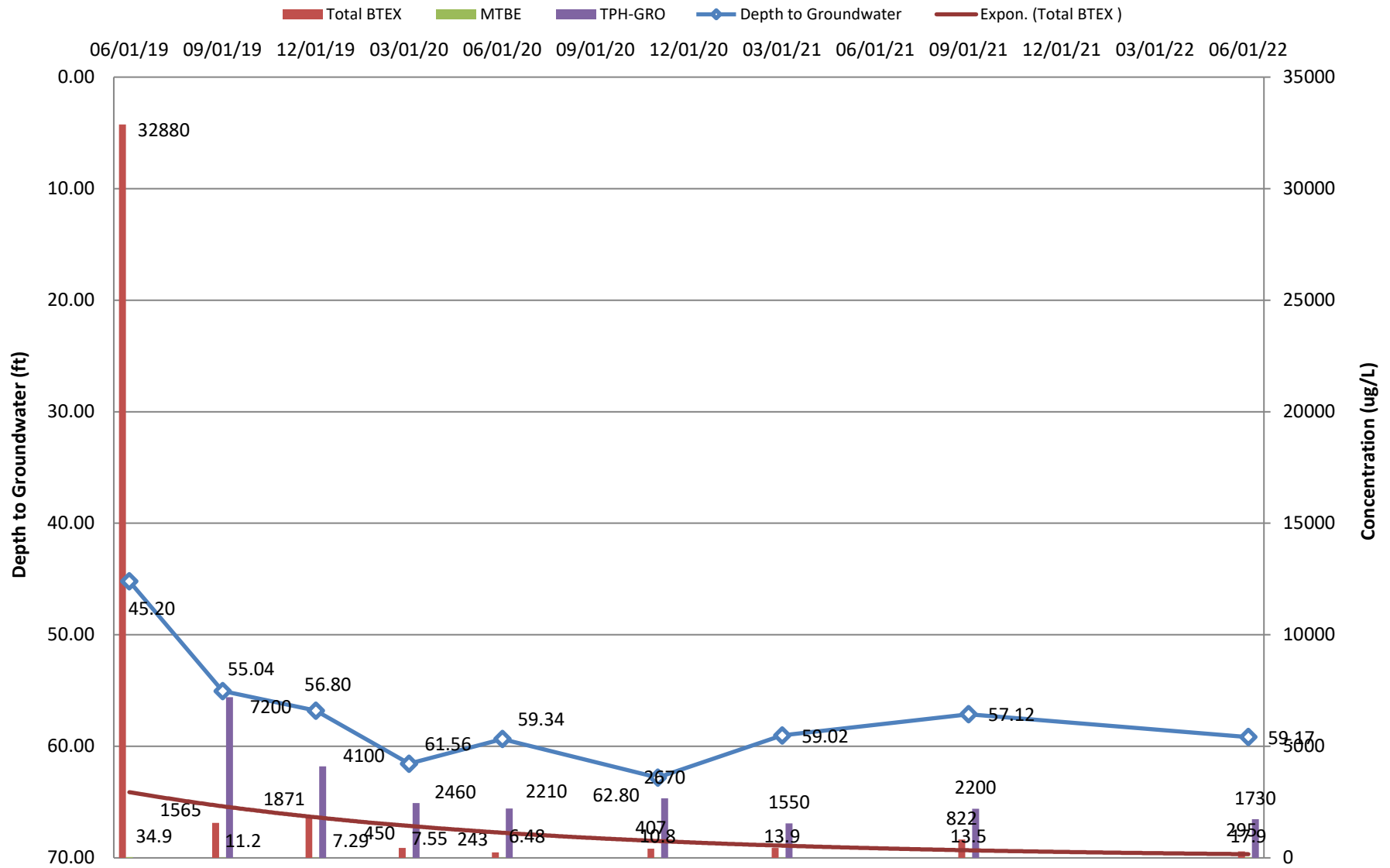
NG - No Guidance

NS - Not Sampled

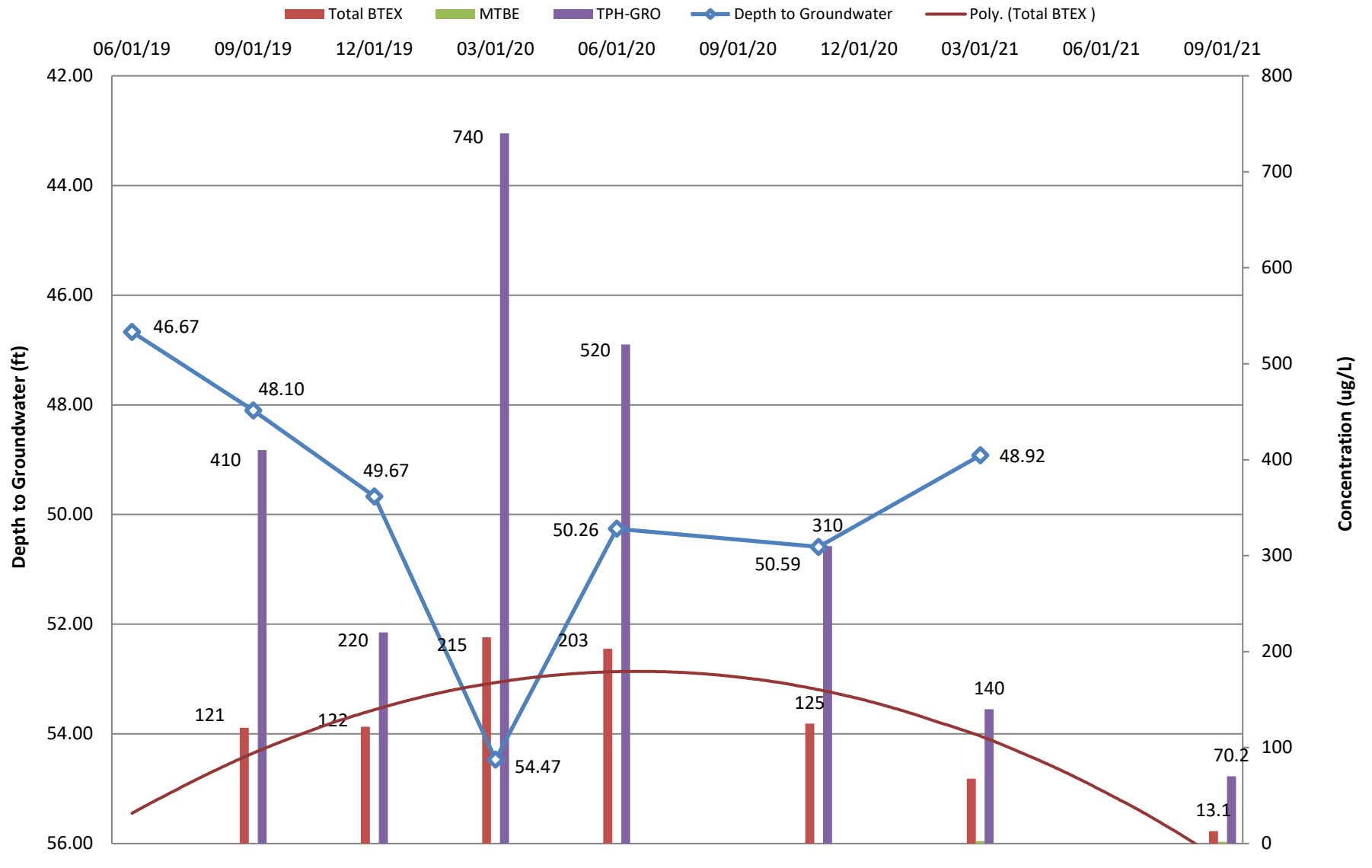
**Pantry One Market**  
**1897 Conowingo Road, Rising Sun, MD 21911**  
**MW-1 DTGW vs. VOCs & TPH-GRO**



**Pantry One Market**  
**1897 Conowingo Road, Rising Sun, MD 21911**  
**MW-2 DTGW vs. VOCs & TPH-GRO**



**Pantry One Market  
1897 Conowingo Road, Rising Sun, MD 21911  
MW-3 DTGW vs. VOCs & TPH-GRO**



Pantry One Market  
1897 Conowingo Road, Rising Sun, MD 21911  
DSW Sampling Summary Table

ID	Date	Ethanol	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	MTBE	Naphthalene	PCE	Chloroform	TBA
MDE GNCS, Type I and II Aquifers		NG	5	1000	700	10000	NG	20	0.17	5	80	NG
1846 Conowingo Road	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1884 Conowingo Road	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	9/11/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/26/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/18/2021	NS	< 0.5	< 0.5	< 0.5	< 1.1	< 2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1894 Conowingo Road	6/19/2019	< 10.0	1.83	< 0.5	< 0.5	0.72	< 2.5	< 0.5	0.5	0.5	< 0.5	13.1
1894 Conowingo Road Inflow	9/11/2019	< 10.0	<b>16.7</b>	< 0.5	1.17	1.24	10.1	1.29	<b>3.83</b>	< 0.5	< 0.5	81.3
	12/16/2019	< 10.0	<b>9.42</b>	< 0.5	< 0.5	< 1.0	9.1	< 0.5	<b>1.22</b>	< 0.5	< 0.5	15.4
	3/26/2020	NS	<b>7.17</b>	< 0.5	< 0.5	< 1.0	0.5	< 0.5	<b>2.35</b>	< 0.5	< 0.5	30.3
	6/25/2020	< 10.0	1.15	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	30.1
	11/4/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	50.8
	3/18/2021	NS	3.11	< 0.5	1.64	< 1.0	4.75	2.99	< 0.5	< 0.5	< 0.5	< 10.0
	9/9/2021	< 10.0	<b>6.96</b>	< 0.5	< 0.5	< 1.0	6.96	2.56	< 0.5	< 0.5	< 0.5	< 10.0
	12/13/2021	NS	0.94	< 0.5	< 0.5	< 1.0	0.94	4.45	< 0.5	< 0.5	< 0.5	< 10.0
	6/21/2022	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	2.16	< 0.5	< 0.5	< 0.5	< 10.0
1894 Conowingo Road Inter 1	9/11/2019	< 10.0	<b>10.2</b>	< 0.5	0.79	0.68	< 2.5	1.24	<b>3.78</b>	< 0.5	< 0.5	74.3
	12/16/2019	< 10.0	<b>10.1</b>	< 0.5	< 0.5	< 1.0	10.1	< 0.5	<b>1.28</b>	< 0.5	< 0.5	14.9
	3/26/2020	NS	<b>5.99</b>	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	<b>1.92</b>	< 0.5	< 0.5	29.7
	6/25/2020	< 10.0	1.18	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	32.7
	11/4/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	46.7
	3/18/2021	NS	2.62	< 0.5	< 0.5	< 1.0	2.62	2.93	< 0.5	< 0.5	< 0.5	< 10.0
	9/9/2021	< 10.0	4.36	< 0.5	< 0.5	< 1.0	4.36	2.61	< 0.5	< 0.5	< 0.5	< 10.0
	12/13/2021	NS	0.74	< 0.5	< 0.5	< 1.0	0.74	5.48	< 0.5	< 0.5	< 0.5	< 10.0
	6/21/2022	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	2.22	< 0.5	< 0.5	< 0.5	< 10.0
1894 Conowingo Road Inter 2	9/11/2019	< 10.0	<b>11.3</b>	< 0.5	0.79	< 1.0	< 2.5	1.22	<b>3.53</b>	< 0.5	< 0.5	107
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	17.3
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	30.9
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	31.9
	11/4/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	32.5
	3/18/2021	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	9/9/2021	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/13/2021	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/21/2022	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1894 Conowingo Road Effluent	9/11/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	82.1
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	14.6
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	27.7
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	35.6
	11/4/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	49.8
	3/18/2021	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	9/9/2021	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/13/2021	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/21/2022	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1896 Conowingo Road	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	9/11/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/18/2021	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1902 Conowingo Road	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1908 Conowingo Road	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1912 Conowingo Road	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	9/11/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1924 Conowingo Road	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
1936 Conowingo Road	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
27 Dalmation Court	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
30 Dalmation Court	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	0.52	< 0.5	< 10.0
33 Dalmation Court	6/19/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	12/16/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	22.2	< 10.0
	3/26/2020	NS	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0
	6/25/2020	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	22.2	< 10.0
104 Coachman Drive	6/20/2019	< 10.0	< 0.5	< 0.5	< 0.5	< 1.0	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10.0

Groundwater Sampling Data reported in ug/l.  
Values exceeding the specified MDE GNCS are **bolded**.  
ND = Not detectable at method limits  
NG = No Guideline

**Appendix C**  
**Report of Analysis & Chain of Custody Record**

# 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

<b>Sample Identification:</b>	<b>TRIP BLANK</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>na</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/28/2022</b>	<b>Lab File:</b>	<b>62822A016</b>

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	5.89	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	2.77	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:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/28/2022	Lab File:	62822A016

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	%	110	EPA 524.2
Dibromofluoromethane	%	102	EPA 524.2
Toluene-d8	%	99	EPA 524.2
Bromofluorobenzene	%	97	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

<b>Sample Identification:</b>	<b>1894 INF</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>na</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/28/2022</b>	<b>Lab File:</b>	<b>62822A020</b>

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	2.16	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	0.63	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:	1894 INF	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/28/2022	Lab File:	62822A020

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	%	111	EPA 524.2
Dibromofluoromethane	%	105	EPA 524.2
Toluene-d8	%	98	EPA 524.2
Bromofluorobenzene	%	100	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

<b>Sample Identification:</b>	<b>1894 INTER 1</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>na</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/28/2022</b>	<b>Lab File:</b>	<b>62822A019</b>

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	2.22	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	0.6	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:	1894 INTER 1	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/28/2022	Lab File:	62822A019

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	%	112	EPA 524.2
Dibromofluoromethane	%	105	EPA 524.2
Toluene-d8	%	96	EPA 524.2
Bromofluorobenzene	%	99	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

<b>Sample Identification:</b>	<b>1894 INTER 2</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>na</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/28/2022</b>	<b>Lab File:</b>	<b>62822A018</b>

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:	1894 INTER 2	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/28/2022	Lab File:	62822A018

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	%	112	EPA 524.2
Dibromofluoromethane	%	105	EPA 524.2
Toluene-d8	%	99	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

<b>Sample Identification:</b>	<b>1894 EFF</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>na</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/28/2022</b>	<b>Lab File:</b>	<b>62822A017</b>

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:	1894 EFF	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/28/2022	Lab File:	62822A017

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	%	112	EPA 524.2
Dibromofluoromethane	%	104	EPA 524.2
Toluene-d8	%	99	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

<b>Sample Identification:</b>	<b>MW-1</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>6/25/2022</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/26/2022</b>	<b>Lab File:</b>	<b>62622A008</b>

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
Ethanol	10	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:	MW-1	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	6/25/2022	Analyst:	MM
Analysis Date:	6/26/2022	Lab File:	62622A008

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	%	109	EPA 8260
Dibromofluoromethane	%	103	EPA 8260
Toluene-d8	%	100	EPA 8260
Bromofluorobenzene	%	98	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

<b>Sample Identification:</b>	<b>MW-2</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>6/25/2022</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/26/2022</b>	<b>Lab File:</b>	<b>62622A009</b>

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
Ethanol	10	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	364	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	17.9	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	10.1	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	168	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	72.9	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	85.7	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:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	6/25/2022	Analyst:	MM
Analysis Date:	6/26/2022	Lab File:	62622A009

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	123	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	12.8	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	8.76	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	6.67	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	13.9	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	58.2	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	1.92	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	92.6	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	1730	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

### SURROGATE SPIKE

1,2-Dichloroethane-d4	%	103	EPA 8260
Dibromofluoromethane	%	97	EPA 8260
Toluene-d8	%	99	EPA 8260
Bromofluorobenzene	%	111	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

<b>Sample Identification:</b>	<b>MW-3</b>	<b>Project Identification:</b>	<b>PANTRY ONE</b>
<b>MATRIX:</b>	<b>water</b>	<b>Client Identification:</b>	<b>AIJAZ SHAIKH</b>
<b>Sample Date:</b>	<b>6/21/2022</b>	<b>Client Telephone:</b>	
<b>Date Received:</b>	<b>6/24/2022</b>	<b>Client Fax:</b>	
<b>Extraction Date:</b>	<b>6/25/2022</b>	<b>Analyst:</b>	<b>MM</b>
<b>Analysis Date:</b>	<b>6/26/2022</b>	<b>Lab File:</b>	<b>62622A010</b>

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
Ethanol	10	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	25.7	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	22	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	9.41	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	28.2	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	93.4	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	1.1	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	12.9	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	100	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-3	Project Identification:	PANTRY ONE
MATRIX:	water	Client Identification:	AIJAZ SHAIKH
Sample Date:	6/21/2022	Client Telephone:	
Date Received:	6/24/2022	Client Fax:	
Extraction Date:	6/25/2022	Analyst:	MM
Analysis Date:	6/26/2022	Lab File:	62622A010

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	13.8	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	20.7	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	3.54	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	8.39	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	8.57	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	48.5	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	1.32	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	32.3	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	720	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

### SURROGATE SPIKE

1,2-Dichloroethane-d4	%	94	EPA 8260
Dibromofluoromethane	%	93	EPA 8260
Toluene-d8	%	100	EPA 8260
Bromofluorobenzene	%	102	EPA 8260

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

1751-1 Pulaski Hwy., Havre de Grace, MD 21078-2207

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

www.AECEnviro.com

# Chain of Custody Record

Client: <u>Aijaz Shaikh</u>		Project Name: <u>Pantry One Q2 2022</u>				SDG#					
Address:		Project Location: <u>1897 Conowingo Road, Rising Sun, MD</u>				Preservatives					
		Phone: _____ Fax: _____				HCl					
Contact:		Email:				Requested Analysis					
Sample By: <u>47246P</u>		Receive Completed Report Via (Circle One) U.S. Mail    Email    Fax				524.2 VOCs (Ethanol) P260 TPH-DRO/GRO B015					
Sample #	Sample ID	Date	Time	Matrix	pH					Observation  <u>NO CHLORINE</u>	
1	<u>Trip Blank</u>	<u>6/21/22</u>	<u>1100</u>	<u>O</u>	<u>&lt; 2</u>	X					
2	<u>1894 Influent</u>	<u> </u>	<u>1321</u>	<u>DW</u>	<u>&lt; 2</u>	X					
3	<u>1894 Inter 1</u>	<u> </u>	<u>1319</u>	<u> </u>	<u>&lt; 2</u>	X					
4	<u>1894 Inter 2</u>	<u> </u>	<u>1318</u>	<u> </u>	<u>&lt; 2</u>	X					
5	<u>1894 Effluent</u>	<u> </u>	<u>1316</u>	<u> </u>	<u>&lt; 2</u>	X					
6	<u>MW-1</u>	<u> </u>	<u>1400</u>	<u>GW</u>			X	X			
7	<u>MW-2</u>	<u> </u>	<u>1427</u>	<u> </u>			X	X			
8	<u>MW-3</u>	<u> </u>	<u>1450</u>	<u> </u>			X	X			
9											
10											
Relinquished/Received By Signature		Date	Time	Delivery Method		Lab Use Only					
Relinquished By: <u>Dreedy Pde</u>						Temp of Cooler					
Received By:						<u>&lt; 40C</u>					
Relinquished By:						Ice Present (Y/N)					
Received By: <u>[Signature]</u>		<u>6/24/22</u>									
Relinquished By:						Custody Seal (Y/N)					
Received By:						Date of Extraction <u>6/25/22</u>					
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: <u>(STD)</u> 1 Day 2 Day 3 Day Other					